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SITE VISITOR LOG NOVEMBER 29, 1999: TOP END TOO DARK TO READ DATES OR SOME NAMES

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SHEET 1 - CELL LAYOUT AND DETAILS

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INSPECTORS QUALITY ASSURANCE REPORT (QAR)
DAILY LOG OF CONSTRUCTION - MILITARY (ER
415-1-302)

105365

THE OCR WILL BE ATTACHED TO OR FILED WITH THE
QAR.

REPORT NO.

041

PROJECT

Solutia Sauget Area 1
Sauget, IL

DATE

01 November, 99

CONTRACT NO.

CONTRACTOR (Or hired labor)

O'Brien Gere
Menzie Cura

WEATHER

Sunny, Temp. 60°F

CQC Inspection phases attended and instruction given:

- 1) OBG held Preparatory Inspection Meeting for Soil Gas Survey and Downgradient alluvial aquifer sampling
- 2) Menzie Cura on site to collect more fish. They did not get all that was needed on their first attempt last month. They told me what they needed was Large Mouth Bass and Crappie from the reference areas and the Borrow Pit. They did not distribute a list of what kind or how many but it is in their log books and they are staying with what the work plan asked for.

Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities.

- 1) A deviation was observed in the FSP for the start up and sample collection for the Soil Gas Survey activities. An SOP for static headspace sample collection was submitted as Appendix A. The work being performed is an in place soil screen similar to a PID. The actual method for the work to be performed as stated in section 5.2 of the FSP was submitted to Weston on a deviation log.
- 2) OBG had discussed deviating from the FSP for the ground water sampling. The plan states that samples will be collected at 10-foot intervals between ground water and bedrock. The FSP says samples will be collected on the way down and OBG was discussing pushing the probe to maximum depth and sampling on the way up. After further discussion between OBG and Solutia it was determined to stay with what was described in the FSP.

Verbal instruction given to contractor: (Include names, reactions and remarks)

- 1) None

Has anything developed on thee work, which might lead to a change order or finding of fact? Menzie Cura has collected some Large Mouth Bass from the borrow pit area but they were dead already. I questioned Katherine Fogarty on the validity of those samples if they were to be submitted to the lab. She said they would separate the dead fish for now and try again before they leave to collect some live specimens.

NO YES

Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc.

1) OBG trying to finish Mag Survey at Cerro Copper this week.

Information, instructions or actions taken not covered on QCR report or disagreement:


1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

1) Erik Kemper (Weston) discussed the changes that came about during the Prep. Meetings with Tim Gouger (USACE) we agreed that the procedures for the Soil Gas Survey would remain as described in the FSP and the only change was to Appendix "A". We also talked about the water sampling, either to collect on the way up or on the way down as stated in the FSP. This became a non-issue as OBG and Solutia decided to stick with what the FSP said and collect the sample on the way down.

INSPECTOR'S SIGNATURE	DATE	SUPERVISOR'S INITIALS	DATE
	11-01-99		

DAILY WORK LOG

DATE 11/1/99

PROJECT NAME Solute Saget Area 1 PROJECT LOCATION Site I, H

WEATHER Cloudy PRECIPITATION Slight TEMPERATURE 60°F

NUMBER OF HOURS WORKED 52.5 NUMBER OF EMPLOYEES 7

1. ITEMS WORKED ON (ITEM NO. DESCRIPTION, STA. TO STA. FOREMAN)
2. INSTRUCTIONS RECEIVED FROM SOLUTIA
3. INSTRUCTIONS RECEIVED FROM USEPA
4. DEVIATIONS
5. VISITORS (NAMES & TITLES)
6. EQUIPMENT
7. LUNCH MEETING COMMENTS:
8. UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)
9. REMARKS:

- ① • Held Soil Gas Survey Prep Inspection Meeting
 • Lay out of Soil Gas Points on Site I, H, G
 • Down Gradient Alluvial Aquifer Prep Inspection Meeting
 • Down Gradient Alluvial Aquifer Point layout & Begin Sampling @ AA-SW-S1 (not the most point on SW transect)
 • Map survey @ Site I
 • Completed one soil gas sample point @ Site I (SG-I-01)
- ② • Sample Down Gradient Alluvial Aquifer from the top down
 • Made found w/ MIP Repair Deviation for SOP revision
- ③ None
- ④ MIP SOP change from Appendix A of FSP. Deviation form completed
- ⑤ None
- ⑥ Geoprobe w/ MIP Probe - Soil Gas
 Map Equipment -
 Geoprobe - Down gradient Alluvial Aquifer
 pH, Temp, Cond, & Turbidity Meters
 H's Equipment
 Support Vehicles
- ⑦ None
- ⑧ None
- ⑨ None

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

Alan J. Cal / RD / 11/1/99
PRINTED NAME / SIGNATURE OF PREPARER / DATE

PREPARATORY INSPECTION MEETING

Conducted by/Company: Tim Tedesco / O'Brien-Gere

Date: 29 Oct 99

Project Name: Solutia Superfund Area 1

Task: Soil Gas Survey

1. Scheduled Work:

2. Equipment, Procedures, Personnel:

3. Ref. To App. Sec. of FSP/HASP:

4. Issues that could arise and how to resolve:

5. Solutia comments:

6. EPA comments:

1) Direct push soil probe to approx. 5 feet @ locations shown in figures 5 & 6 in the FSP. A total of 29 samples will be collected & analyzed w/ 2 field GC for total VOC concentrations. Picking holes will be sealed w/ grout following completion of sampling & analysis.

2) Procedure for advancing probe to 5 feet will be direct push unless refusal is encountered → these locations may require drilling to required depth & inserting probe. Locations will be in & out of the fill areas. Field GC will be used & calibrated twice daily. Personnel include Innovative Probing & OBG personnel.

3) Sect. 5.2 of the FSP & Sect. 2.2 of the HASP, Modified.

4) Access to all of site I will require orchestrated effort, direct push of probes may not be feasible & replaced by drilling, detectable concentrations of VOC will be addressed by expanding the 29 samples to potentially 60 which will require buying additional grids & possibly obtaining additional access agreements.

ATTENDANCE:

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
DeHavardine	[Signature]	OBG
Johnny DeHavardine	[Signature]	IPS
[Signature]	[Signature]	RSW
Kimberly Perry	[Signature]	Solutia
Ken LAFFERTY	[Signature]	MAVERICK
Alan Clark	[Signature]	OBG

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

Tim Tedesco / Lty P. U.

29 Oct 99

DATE

PREPARATORY INSPECTION MEETING

Conducted by/Company: Tim Tedesco / O'Brien & Gere Date: 24 Oct 99
 Project Name: Solutia Sunset Area 1 Task: Downgradient Alluvial Aquifer Sampling

1. Scheduled Work:
2. Equipment, Procedures, Personnel:
3. Ref. To App. Sec. of FSP/HASP:
4. Issues that could arise and how to resolve:
5. Solutia comments:
6. EPA comments:

1) Collecting groundwater samples via Geoprobe from @ 9 locations ~~surrounding~~ near sites G, H, I & L shown on Figure 7 in the FSP. A total of 90 samples will be collected, containerized & shipped to a fixed base laboratory for analysis. Probing holes will ~~be~~ not be sealed by grout following completion of obtaining sample.

2) Procedure for collecting groundwater samples will be Geoprobe to 10 ft sampling intervals down to bedrock (approx. 100 feet). Each sample interval will be screened (HOPE tube inserted) to 1-1 1/2 feet above bottom of screen, birch connector used to attach flexible tubing to HOPE tube, flexible tubing will be connected through head of peristaltic pump & discharged to 5 gallon bucket. After 60 minutes of pumping, field instruments will be used to monitor parameters, once parameter requirements are met samples will be taken. Sampling eqpt. will be discarded between samples & push rods will be cleaned between sampling intervals. ^{As appropriate} 10% dilute nitric acid solution will be used to decontaminate eqpt.

3) Sect. 5.9 of FSP & Sect. 2.6 of HASP Mod. D, check BZW/PID scan

4) Geoprobe retrieval will require use of microwells inserted into place & it microwells fails conventional percussion drilling eqpt. will be used. Insufficient ATTENDANCE: water to fill all sample containers @ a certain interval.

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
Alan J. Clark		OBG
Dave Harvink		OBG
Paul A. Grogg		MAVERICK
Eric Kemper		RFC
William E. Wright		OBG
Tim Tedesco		OBG
Kimberly Perry		Solutia
John Upcraft		IPS
DAN CORRETT		IPS

IF ADDITIONAL SPACE IS REQUIRED,
 RECORD ON REVERSE SIDE

Terry Mobbs

PRINTED NAME/ SIGNATURE OF PREPARI
 24 Oct 99
 DATE
 P.O. Catokia

DEVIATION LOG

INDIVIDUAL REQUESTING DEVIATION / COMPANY: DE Havardink / O'Brien DATE 01 NOV 99

HEALTH & SAFETY APPROVAL REQUIRED: YES: _____ NO: X

PROJECT NAME Solutia - Saugat Area 1 PROJECT LOCATION Saugat / Calhoun

WEATHER _____ PRECIPITATION _____ TEMPERATURE _____

NUMBER OF HOURS WORKED _____ NUMBER OF EMPLOYEES _____

1. CONTRACT ITEM BEING WORKED ON: _____
2. ITEM BEING DEVIATED (REF. APPROP. SEC. OF FSP/HASP): _____
3. REASON FOR DEVIATION: _____
4. DEVIATION OR FIELD CHANGE TO BE IMPLEMENTED: _____
5. EQUIPMENT: _____
6. DEVELOPMENTS WHICH MIGHT LEAD TO ISSUANCES OF A CHANGE ORDER OR BE THE BASIS OF A CLAIM (EQUIPMENT; TIME; MANPOWER; ETC.): _____
7. REMARKS: _____

- ① Soil gas survey
- ② FSP # 5.2, Appendix A to FSP
- ③ SOPs in Appendix A do not correspond with actual GC startup procedures for the membrane interface probe (MIP); in general, Appendix A is for use with compound-specific analysis, not total VOC analysis; the attached procedures are to be used instead of Appendix A
- ④ the attached procedures are to be used instead of Appendix A
- ⑤ field GC for MIP
- ⑥ None
- ⑦ None

DE Havardink / DE Havardink
PRINTED NAME / SIGNATURE OF PREPARER

01 NOV 99

DATE
IF ADDITIONAL SPACE IS REQUIRED,

Kimberly Perry / Kimberly Perry 11/1/99
PRINTED NAME / SIGNATURE OF SOLUTIA REP / DATE

PRINTED NAME / SIGNATURE OF USEPA REP / DATE

**GAS CHROMATOGRAPH (GC) STARTUP PROCEDURES
FOR
MEMBRANE INTERFACE PROBE (MIP)**

1. Confirm gas flow of hydrogen, nitrogen, and air.
2. Power on to GC and stabilize detectors.
3. Monitor detector signal.
4. Establish proper signal / attenuation range on GC.
5. Stabilize MIP heater.
6. Introduce butane samples for 5 seconds.
7. Observe flow times to detectors and record.
8. Confirm signal output.
9. Set up on location and initiate sampling.

SAFETY MEETING FORM

(MAGNETOMETER SURVEY)

DATE 1 NOV 99CONDUCTED BY / COMPANY: David Huerdink / O'Brien & GerePROJECT NAME Solutia - Saugeat Area 1PROJECT LOCATION Site I (Cerro Capra)WEATHER Partly cloudyPRECIPITATION NoneTEMPERATURE 60°FNUMBER OF HOURS WORKED —NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:

2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:

3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:

4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:

5. COMMENTS:

- ① Continue magnetometer grid layout and magnetometer survey on Site I.
- ② FSP # 5.4 ; HASP # 2.3
- ③ Slips/trips/falls ; muscle strain
- ④ PPE is level D (~~extra~~ standard PPE for being on Cerro property) hardhats & safety glasses (no steel toes when performing mag. readings)
- ⑤ Use caution at Cerro due to traffic of forklifts / trucks / pedestrians ; also drive carefully around field ops. due to PPR & uncontrolled intersections ; smoking is in vehicles only ; use main security entrance / exit - sign in & out

ATTENDANCE:

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

Frank Kempf

[Signature]

RFW

Dan White

[Signature]

OBG

Nick Jenkins

[Signature]

OBG

Kimberly Perry

[Signature]

Solutia

Alan Cook

[Signature]

OBG

Tim Edwards

[Signature]

OBG

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

David Huerdink / David Huerdink
PRINTED NAME / SIGNATURE OF PREPARER

1 NOV 99

DATE

SAFETY MEETING FORM (Soil Gas Survey)

DATE 1 NOV 99

CONDUCTED BY / COMPANY: DE Haverdink / O'Brien & Gere

PROJECT NAME Solutia - Saugat Area 1 PROJECT LOCATION Site I initial

WEATHER Partly cloudy PRECIPITATION None TEMPERATURE 60°F

NUMBER OF HOURS WORKED — NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
5. COMMENTS:

- ① Begin soil gas survey at Site I, moving to Site L if space prohibits on Site I
- ② FSP # 5.2 ; HASP # 2.2
- ③ Potential contact with air and soil which is impacted ; Muscle strain ; slips/trips/falls ; noise ; electric shock
- ④ PPE is modified level D (tyres, gloves, boots + level D) with respirators on hand. air monitoring in breathing zone w/ PM10 + CGM ; based on waste boring work + breathing zone readings, Level C initial is not justified
- ⑤ Smoking in support vehicles only ; segregate wastes ; use caution around field office and at Cerro Copper due to traffic & uncontrolled intersections

ATTENDANCE:

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
-----------------------	--------------------	---------

DE Haverdink	<i>DE Haverdink</i>	OBG
James Haverdink	<i>James Haverdink</i>	IPS
Erik Haverdink	<i>Erik Haverdink</i>	RFW
Ken Lafferty	<i>Ken Lafferty</i>	MANEERK
Kimberly Perry	<i>Kimberly Perry</i>	Solutia
Allen Cook	<i>Allen Cook</i>	OBG

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink
PRINTED NAME / SIGNATURE OF PREPARER

1 NOV 99
DATE

SAFETY MEETING FORM

(Down gradient alluvial aquifer sampling)

DATE

1 NOV 99

CONDUCTED BY / COMPANY: DE Harvardink / D'Brien & Gere

PROJECT NAME Solatia - Sanger Area 1 PROJECT LOCATION N. of Judith Ln.

WEATHER Partly cloudy PRECIPITATION None TEMPERATURE 60°F

NUMBER OF HOURS WORKED — NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:

2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:

3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:

4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:

5. COMMENTS:

- ① Begin down gradient alluvial aquifer sampling N. of Judith Ln.
- ② FSP # 5.9 & HASP # 2.6 (generally applicable - not installing wells)
- ③ Potential contact w/ VOCs, combustible gases, spashing of water, electrical shock, muscle strain, slips/trips/falls
- ④ PPE is modified level D (respirator on-hand) with air monitoring in breathing zone using PID+CGM
- ⑤ Segregate wastes; smoking only in support vehicles; use caution driving around field office

ATTENDANCE:

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

Ken LAFFERTY
 Exchange
 William E. Knight
 Patricia
 Kimberly Perry
 James Upchurch
 Sue LORETT
 Jerry Mobbs
 AJ Calk

[Signature]
[Signature]
[Signature]
[Signature]
[Signature]
[Signature]
[Signature]

Harvardink
 RSW
 OBT
 OBG
 S. J. Aza
 LPS
 T.P.S.
 P.D. Cahokia
 OBG

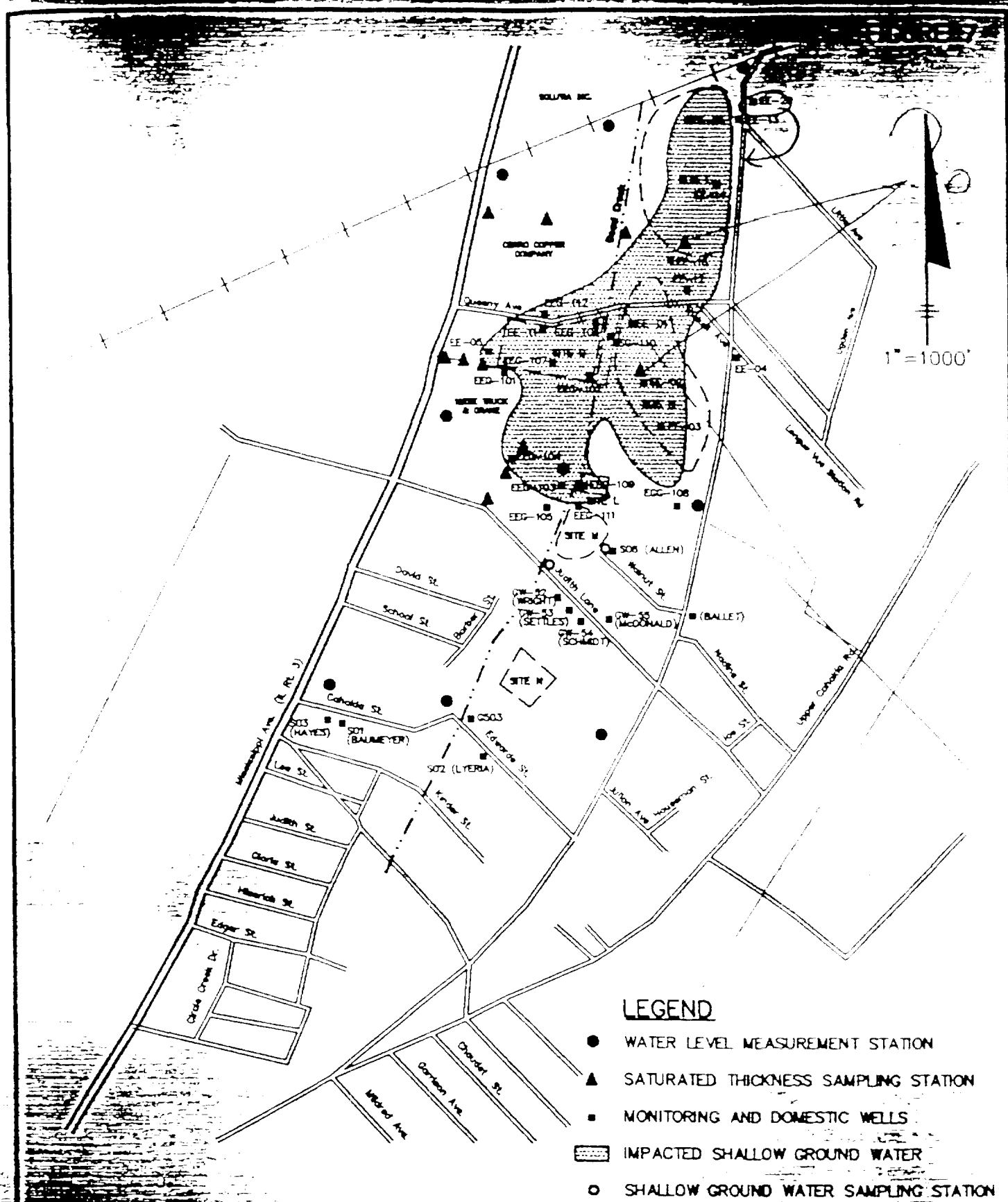
IF ADDITIONAL SPACE IS REQUIRED,
 RECORD ON REVERSE SIDE

DE Harvardink / DE Harvardink

PRINTED NAME / SIGNATURE OF PREPARER

1 NOV 99

DATE



LEGEND

- WATER LEVEL MEASUREMENT STATION
- ▲ SATURATED THICKNESS SAMPLING STATION
- MONITORING AND DOMESTIC WELLS
- ▨ IMPACTED SHALLOW GROUND WATER
- SHALLOW GROUND WATER SAMPLING STATION

SAUGET AREA 1 SUPPORT SAMPLING PLAN SAUGET & CAHOKIA, IL GROUNDWATER SAMPLING LOCATIONS

WORK FORECAST

Work Forecast for the day/week: 11/2/99

Date: 11/1/99

Project Name: Solutia Sargent Area

Project Location: _____

Company Name: O'Brien & Gere

1. List Work Items and Locations Scheduled for Next Day/Week:

- Continue Layout of Soil Gas Grid @ Site 6
- Continue Map Survey @ Site I, as able pending Cargo Movement of Trucks
- Continue Down Gradient Alluvial Aquifer Sampling @ SW transect Station 1 (AA-SW-S1)
- Continue Soil Gas survey @ Site I
- Install Regional Flow Piezometers @ Site N P3-C (S, M, D)

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

Alan J. Cook / A. J. Cook / 11/1/99
Name/Signature/Date of Preparer

DAILY WORK LOG

DATE 11/1/99

PROJECT NAME Dead Creek / Saugat Area I PROJECT LOCATION Saugat / Cahokia, Ill.
 WEATHER _____ PRECIPITATION showers TEMPERATURE ± 50°F
 NUMBER OF HOURS WORKED 30 NUMBER OF EMPLOYEES 3

1. ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN)
 2. INSTRUCTIONS RECEIVED FROM SOLUTIA
 3. INSTRUCTIONS RECEIVED FROM USEPA
 4. DEVIATIONS
 5. VISITORS (NAMES & TITLES)
 6. EQUIPMENT
 7. LUNCH MEETING COMMENTS:
 8. UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)
 9. REMARKS:
 1. Fishing in Borrow Pit and Old Prairie du Pont Creek - Collected ^{1,00} 2 large mouth bass in Borrow Pit; 7 in Prairie du Pont - We also picked up about 5 newly dead largemouth bass from Borrow Pit
 2. none
 3. none - However, we had a discussion with Eric Kemper of USFWS regarding use of fish that were dead at time of collection. No definitive decision was made.
 4. none
 5. none
 6. seines and dip nets
 7. none
 8. none
 9. The water level is even lower in Borrow Pit than in October. Fish are dead or dying due to low water levels.
- Hundreds of fish were caught in seines in both locations. None of fish caught in seines in Borrow Pit were largemouth or white bass.

Given to Weston 11/2/99 #0722

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

Katherine Fogarty / Katherine Fogarty 11/1/99
 PRINTED NAME / SIGNATURE OF PREPARER / DATE

SAFETY MEETING FORM

CONDUCTED BY / COMPANY: Katherine Fogarty DATE 11/1/99
 PROJECT NAME Red Creek - Saugat Area 1 PROJECT LOCATION Saugat/Cahokia, IL
 WEATHER _____ PRECIPITATION _____ TEMPERATURE 60-70°F
 NUMBER OF HOURS WORKED _____ NUMBER OF EMPLOYEES 3

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
5. COMMENTS:

(1) Collect fish from borrow pit and Reference Area
 (2) Section 4.7 of the QAPP for Ecological Risk Assessment, HASP for Ecological Risk Assessment
 (3) Avoid contact with sediment
 Top soil Full Hazard
 Practice boating safety, wear life jackets in boat
 Biological hazards, poison, etc.
 4. none

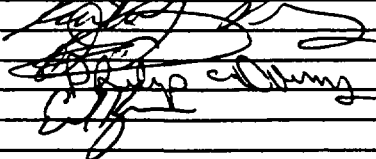
5. none

ATTENDANCE:

EMPLOYEE NAME (print)

Kimberly Perry
Doug Levin
Phil Downey
Erik Kempner

EMPLOYEE SIGNATURE



COMPANY

SOLTECH
CMA
ABS
RFW

Given to Weston OTSB REP 11/1/99

IF ADDITIONAL SPACE IS REQUIRED,
 RECORD ON REVERSE SIDE

Katherine Fogarty / Katherine Fogarty
 PRINTED NAME / SIGNATURE OF PREPARER

11/1/99

DATE

WORK FORECAST

Work Forecast for the day/week: 11/1/99

Date: 11/1/99

Project Name: Dead Creek Snaget Area Project Location: Snaget/Cahokia, Ill

Company Name: Menzie-Cum Associates

1. List Work Items and Locations Scheduled for Next Day/Week:

1. ~~Set traps in~~ to Organize equipment/tracks
2. Set traps in borrow pit and reference ponds
3. electroshock in borrow pit (and ref ponds if time allows).

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

Katherine Fogarty/Kathleen Fogarty
Name/Signature Date of Preparer

11/1/99

Given to werton 11/1/99 0750 - pbe

WORK FORECAST

Work Forecast for the day/week: of 11/1

Date: 11/1/99

Project Name: Dead Creek Sauger Area I

Project Location: Sauger/Cahoka, Ill.

Company Name: Menzies-Cummins Associates

1. List Work Items and Locations Scheduled for Next Day/Week:

1. Collected game fish (largemouth bass or white bass) from Borrow Pit and Ref. Ponds to make complete sample MOS.
2. Collect crappie from Ref Area 2 to make complete sample MOS.
3. Pick up brown bullheads and crappie from Borrow Pit and Reference Ponds to augment if available to augment samples collected previously.

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

Katherine Fogarty / Katherine Adogatz
Name/Signature/Date of Preparer
11/1/99

Given to Weston 11/1/99 0750 ~~11/1~~

Nov - 1

OEG Conducted Prep Meeting for Soil Gas Survey

a deviation was developed to clarify the type of sample to be taken according to the ESP a static head space sample will be taken when actually the equipment used will insert a probe and GC unit will detect any fluctuation

Menem Cove here to collect fish Charlie is not here one method they intend to use is electro shock

Dead fish were collected from the borrow pit I asked if they thought these would be valid specimens and they wanted sure they are going to keep the dead fish separate from the live catch

Steve Bradman not able to be here so I will observe their work

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	042
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	02 November, 99
	CONTRACT NO.	
CONTRACTOR (Or hired labor) O'Brien Gere Menzie Cura	WEATHER	Partly Sunny, Temp. 45°F
<p>CQC Inspection phases attended and instruction given:</p> <ol style="list-style-type: none"> 1) Soil Gas Survey: (FSP section 5.2) on sites H, L, and I. 2) Alluvial aquifer groundwater sampling: (FSP Section 5.9) at AA-SW-S1 from 26 and 36 feet. 3) Magnetometer survey: Parts of Site I 4) Piezometer installation: Site N complete. 5) Existing well sampling: Sampled damaged well EEG-105 with Geo-Probe took sample at 20 feet 6) Menzie Cura at ref. area past Bluff Road collecting fish. Completed this area. 		
<p>Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities.</p> <p>1) Steve Brodman (Weston) was not able to be here for this round of Ecological sampling. It was determined that Erik Kemper would observe the Menzie Cura activities.</p>		
<p>Verbal instruction given to contractor: (Include names, reactions and remarks)</p> <p>1) None</p>		
<p>Has anything developed on thee work, which might lead to a change order or finding of fact? Menzie Cura has not yet collected live fish from the borrow pit.</p> <p style="text-align: right;">NO <u>YES</u></p>		
<p>Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc.</p> <p>1) OBG trying to finish Mag Survey at Cerro Copper this week. Cerro working very slowly.</p>		

Information, instructions or actions taken not covered on QCR report or disagreement:

1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

1) Michael McAteer will be in the area Nov. 3rd, 4th, and 5th

INSPECTORS'S SIGNITURE

DATE

SUPERVISOR'S
INITIALS

DATE

11-02-99

DAILY WORK LOG

(Soil Gas, Downgrad. All. Aq. Samp., Mag. Survey)

DATE 02 NOV 99

PROJECT NAME Solutia-Sanger Area 1

PROJECT LOCATION

N. of Judd Rd; Sites H, I, L

WEATHER Clear & Windy

PRECIPITATION None

TEMPERATURE ~45°F

NUMBER OF HOURS WORKED 42.5

NUMBER OF EMPLOYEES 5

1. ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN)
2. INSTRUCTIONS RECEIVED FROM SOLUTIA
3. INSTRUCTIONS RECEIVED FROM USEPA
4. DEVIATIONS
5. VISITORS (NAMES & TITLES)
6. EQUIPMENT
7. LUNCH MEETING COMMENTS:
8. UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)
9. REMARKS:

- ① • Soil gas survey: completed 5 points on Site I, 8 points on Site H, and 1 point on Site L FSD # 5.2
- Down gradient alluvial aquifer sampling: collected 2 samples from ~~37~~ AA-SW-SI-24-26' and 24-36'
- Magnetometer survey: completed survey S. of "Old Quarry" road at Site I

- ② None
- ③ None
- ④ None
- ⑤ None

- ⑥ Geoprobe rig with GC + MIP (soil gas survey), Geoprobe rig (GW sampling), magnetometer, support vehicles, monitoring equipment, H&S equip.

- ⑦ None
- ⑧ None
- ⑨ None

SUBMITTED TO WESTON 02 NOV 99 @ 1810

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Hurdine / DE Hernandez / 02 NOV 99
PRINTED NAME / SIGNATURE OF PREPARER / DATE

DAILY WORK LOG
(Piezometers, GW Sump.)

DATE 11/2/99

PROJECT NAME Solutia Sayer Area-1

PROJECT LOCATION SITE N & AREA NORTH OF JUDITH LAKE

WEATHER ~45°F Windy Sunny PRECIPITATION None TEMPERATURE ~45°F

NUMBER OF HOURS WORKED 10.5 NUMBER OF EMPLOYEES 1

1. ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN)
2. INSTRUCTIONS RECEIVED FROM SOLUTIA
3. INSTRUCTIONS RECEIVED FROM USEPA
4. DEVIATIONS
5. VISITORS (NAMES & TITLES)
6. EQUIPMENT
7. LUNCH MEETING COMMENTS:
8. UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)
9. REMARKS:

① INSTALLED P3-C-S, P3-C-M AND P3-C-D @ SITE N, COLLECTED GROUND WATER SAMPLE AT EEG-105-GP AND MS/MSD AT THIS LOCATION.

② None

③ None

④ None

⑤ None

⑥ GEOPROBE RIG, MONITORING EQUIP., PPE, PERISTALTIC PUMP

⑦ None

⑧ None

⑨ -

JIM HARRISS (SUB) 8.5 hrs

SUBMITTED TO WESTON 02 NOV 99 @ 1800

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

TONY FINCH /  / 11/2/99
PRINTED NAME / SIGNATURE OF PREPARER / DATE

WORK FORECAST

Work Forecast for the day/week: 03 NOV 99

Date: 02 NOV 99

Project Name: Solutia-Sanget Area

Project Location: N. of Ind. 7th Ln, Sites I, G, + N

Company Name: O'Brien + Gere

1. List Work Items and Locations Scheduled for Next Day/Week:

- Continue magnetometer survey at Site I as space allows
- Continue soil gas survey at Sites G, N, + I
- Continue downgradient alluvial aquifer sampling N. of Ind. 7th Lane
- Continue GW sampling at damaged or non-located wells

SUBMITTED TO WESTON 02 NOV 99 @ 1810

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Havedink / DE Havedink / 02 NOV 99
Name/Signature/Date of Preparer

SAFETY MEETING FORM

(Soil gas survey)

CONDUCTED BY / COMPANY: DE Haverdink / O'Brien + Gere

DATE 02 NOV 99

PROJECT NAME Solutia - Sanger Area 1

PROJECT LOCATION Site I

WEATHER clear

PRECIPITATION None

TEMPERATURE 45°F

NUMBER OF HOURS WORKED —

NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
5. COMMENTS:

(1) Soil gas survey using MIP for total VOCs

(2) FSP # 5.2 ; HASP # 2.2

(3) Slips/trips/falls ; muscle strain ; noise ; electric shock ; potential contact/inhalation of impacted air ; minimal potential contact with impacted soil

(4) PPE : Modified level D w/ air monitoring in breathing zone w/ PNO + CCM (based on breathing zone readings during waste borings & since this task is a "closed system", level C is not justified)

(5) Snacking in support vehicles only ; segregate wastes and document appropriately on waste tracking log ; drive with caution on Cerrito Canyon and around field office

ATTENDANCE:

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

Geo. Lafferty
Alan Cook
James Haverdink
Kimberly Perry
Don Willis

[Signature]
[Signature]
[Signature]
[Signature]
[Signature]

REMI
HAVERDINK
OSG
Solutia
OSG

Submitted to Wulken, 11-2-99, 1811D

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / D E Haverdink

PRINTED NAME / SIGNATURE OF PREPARER

02 NOV 99

DATE

SAFETY MEETING FORM
(Magnetometer survey)

DATE 02 NOV 99

CONDUCTED BY / COMPANY: DE Haverdink / O'Brien & Gere

PROJECT NAME Solutia - Sauget Area 1 PROJECT LOCATION Site I

WEATHER clear PRECIPITATION None TEMPERATURE ~45°F

NUMBER OF HOURS WORKED — NUMBER OF EMPLOYEES —

- 1 SCHEDULED WORK:
- 2 REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
- 3 HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
- 4 SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
- 5 COMMENTS:

- ① Continue magnetometer grid layout and magnetometer survey on Site I.
- ② FSP # 3.4 ; HASP # 2.3
- ③ Slips / trips / falls ; muscle strain
- ④ PPE is level D (no steel toes when performing magnetometer readings)
- ⑤ At Certe Copper : drive carefully around due to pedestrian, truck, & fork lift traffic ; sign in & out @ security entrance ; smoking in vehicles only ; drive carefully around field office

ATTENDANCE:

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
<u>Eric Kump</u>	<u>[Signature]</u>	<u>OPCW</u>
<u>Quiberty Perry</u>	<u>[Signature]</u>	<u>Solutia</u>
<u>Don Williams</u>	<u>[Signature]</u>	<u>ORL</u>
<u>Alan Cook</u>	<u>[Signature]</u>	<u>ORL</u>
<u>Ken Lafferty</u>	<u>[Signature]</u>	<u>NAVSTAR</u>

Submitted to Hutton 11/02/99 1810

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink
PRINTED NAME / SIGNATURE OF PREPARER

02 NOV 99

DATE

SAFETY MEETING FORM

(Regional Flow Piezometer @ Site N)

DATE

11/2/99

CONDUCTED BY / COMPANY: Alan J Cork / O'Brien & Gere

PROJECT NAME Solatia Sarget Area 1

PROJECT LOCATION

Regional Flow Piezometers P3-C

WEATHER Clear / Windy

PRECIPITATION None

TEMPERATURE 45°F

NUMBER OF HOURS WORKED

NUMBER OF EMPLOYEES

1. SCHEDULED WORK:

2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:

3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:

4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:

5. COMMENTS:

① Install Piezometers @ P3-C - S, M, P @ Site N

② FSP Section 5.6.3 ~~HASP Section 5.6.3~~ & HASP Section 4.12 & 4.13

③ Moving Mechanical Equipment, slips/falls, muscle strain, noise

④ PPE Modified Level D, w/ hard hat, safety glasses & hearing protection
Wear Rubber gloves when in contact w/ Ground water. Screen hole w/
PID

⑤ Watch RP intersections

ATTENDANCE:

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

TONY FINE
John HARRISS
Ginger Perry
Alan J. Cork
Eukleger

[Signatures]

ORG
HARRISS Drilling
CUTR
MAURICK
ORG
RFW

Submitted to Weston, 11-2-99, 1810

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

Alan J Cork / *[Signature]*

PRINTED NAME / SIGNATURE OF PREPARER

11/2/99

DATE

SAFETY MEETING FORM

(Down gradient alluvial aquifer sampling)

DATE 02 NOV 99

CONDUCTED BY / COMPANY: DE Haverdink / O'Brien + Gere

PROJECT NAME Solutra - Saugnet Area 1

PROJECT LOCATION N. of Judith Ln.

WEATHER clear

PRECIPITATION None

TEMPERATURE -45°F

NUMBER OF HOURS WORKED —

NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
5. COMMENTS:

- ① Down gradient alluvial aquifer sampling
- ② FSP # 5.9 ; HASP # 2.6 (generally applicable - not installing wells)
- ③ Potential contact with VOCs, combustible gases, splashing of water, electric shock, muscle strain, slips/trips/falls, noise
- ④ PPE is modified level D with air monitoring in breathing zone using PID + CGM; respirator on hand if upgrade to level C is necessary
- ⑤ Segregate wastes and document appropriately on waste tracking log; smoking in support vehicles only; drive with caution around field office

ATTENDANCE:

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

William E. Wright
Ray C. Wright
Erik Rogers
Ray Rogers
London T. Perry
Alan J. Clark

(Signatures)

O'Brien + Gere
HAVERDINK
RFG
FPS
Solutra
DRB

Submitted to Weston, 11-2-99, 18410

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink
PRINTED NAME / SIGNATURE OF PREPARER

02 NOV 99

DATE

SITE VISITOR LOG

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

Sauget Site Investigation Waste Tracking Log

Date: 11/2/99

[illegible]

Notes:

Storage Tank Capacity: 4,900 Gallons

DAILY WORK LOG

DATE 11/2/99

PROJECT NAME Dead Creek/Sauget Area F PROJECT LOCATION Sauget/Cahokia, Ill.
 WEATHER clear PRECIPITATION none TEMPERATURE 30-40's °F
 NUMBER OF HOURS WORKED _____ NUMBER OF EMPLOYEES 3

1. ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN)

2. INSTRUCTIONS RECEIVED FROM SOLUTIA

3. INSTRUCTIONS RECEIVED FROM USEPA

4. DEVIATIONS

5. VISITORS (NAMES & TITLES)

6. EQUIPMENT

7. LUNCH MEETING COMMENTS:

8. UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)

9. REMARKS:

1. Collected fish from Reference Area 2-2 (Pond). 3 largemouth Bass, 4t crappie
 Returned to borrow pit, collected 2 largemouth bass

2. none

3. none

4. none

5. Eric Kemper of Weston observed fishing at Reference Area 2

6. seines, dip nets, sonar

7. none

8. none

9. Seined 100's of 165 of fish from the borrow pit but only obtained
 2 largemouth bass.

Given to me, for 11/1/99 0735 PMP

IF ADDITIONAL SPACE IS REQUIRED,
 RECORD ON REVERSE SIDE

Katherine Fogarty / Katharine Fogarty / 11/3/99
 PRINTED NAME / SIGNATURE OF PREPARER / DATE

SAFETY MEETING FORM

CONDUCTED BY / COMPANY: Katherine Fogarty / Menzie-Cuna DATE 11/2/99
 PROJECT NAME Dead Creek / Saugat Area I PROJECT LOCATION Saugat / Cahokia, Ill.
 WEATHER _____ PRECIPITATION none TEMPERATURE 40-50°F
 NUMBER OF HOURS WORKED _____ NUMBER OF EMPLOYEES 3

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
5. COMMENTS:

1. Fish collection in ~~second~~ Reference Area 2 and Borrow P.T.
2. Section 4.7 of Eco risk assessment QAPP; HASP for eco risk assessment
3. Boating safely - wear life jackets in boat
 Trip slip fall hazards.
 Avoid contact with contaminated sediment.
 Avoid biological hazards; e.g., poison ivy
4. none
5. none

ATTENDANCE:

EMPLOYEE NAME (print)

Philip Dwyer
Doug Levin
Kimberly Perry
Kimberly Perry
Kimberly Perry

EMPLOYEE SIGNATURE

Philip Dwyer
Doug Levin
Kimberly Perry

COMPANY

ABS
CMH
Solutra
MAINTENANCE
RFL

Given to Weston 11/2/99 KFP 0730

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

Katherine Fogarty / Katherine A. Fogarty
 PRINTED NAME / SIGNATURE OF PREPARER

11/2/99

DATE

WORK FORECAST

Work Forecast for the day/week: 11/2/99

Date: 11/2/99

Project Name: Dead Creek / Sauget Area Project Location: Sauget / Cahokia, Ill

Company Name: Moniz-Cunha Associates

1. List Work Items and Locations Scheduled for Next Day/Week:

① Collect fish - at least 3 largemouth ^{bass} and 4 crappie
from Reference Area 2

② Collect fish - at least 3 largemouth bass from the
Borrow Pit.

Given to Weston 11/2/99 ~~11/2/99~~ 0730

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

Katherine Fogarty / Katherine Fogarty 11/2/99
Name/Signature Date of Preparer

Nov 2

ORIG installed piezometers at site
N today also collected water sample
from damaged well location EEG-105
by using geo probe

Stated Downgaden Alluvial Aquifer Sampling
@ AA-SW-S1

Menzie Creek:

Collected 3 Bass + 4 crappie from
Ref Area 2

also 2 Bass from the Barran Pit
only need one more from the Barran
Pit and they will be done

Electric Shock method not working

1. not enough water to float the equipment
2. easier to use the seigns at this point

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	043
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	03 November, 99
	CONTRACT NO.	
CONTRACTOR (Or hired labor) O'Brien Gere Menzie Cura	WEATHER	Sunny, Temp. 60°F
CQC Inspection phases attended and instruction given: 1) OBG conducting soil gas survey at sites G and N, 2) Alluvial Aquifer Groundwater Sampling: sampled AA-Sw-S1 at 46 and 56 feet 3) Existing wells EEG-103 & EEG-111 were sampled by using push technology, EEG-103 was taken at 19 feet and EEG-111 was taken at 20 feet 4) Menzie Cura at the borrow pit and they were able to collect enough live samples so their task has been completed all specimens will be sent to Savannah Labs and stored until a later date.		
Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities. 1) Alluvial Aquifer sampling is taking a lot of time. The turbidity is not going below 5 NTU's as required in the FSP so purging continues for two hours at each interval before samples can be taken.		
Verbal instruction given to contractor: (Include names, reactions and remarks) 1) None		
Has anything developed on thee work, which might lead to a change order or finding of fact? Menzie Cura was able to collect live specimens from the borrow pit. Their field work has been completed however they still owe a plan for the use of the freshwater shrimp. <div style="text-align: right;"> NO YES </div>		
Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc. 1) No trucks were moved at site I so Mag. Survey could not be performed today.		

Information, instructions or actions taken not covered on QCR report or disagreement:

1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

1) Michael McAteer on site for a visit today we discussed the progress of the project.

INSPECTORS'S SIGNATURE

DATE

SUPERVISOR'S
INITIALS

DATE

11-03-99

DAILY WORK LOG

DATE 03 Nov 99

PROJECT NAME Solutia - Saugeat Area 1

PROJECT LOCATION _____

WEATHER Clear

PRECIPITATION None

TEMPERATURE ~60°F

NUMBER OF HOURS WORKED 57

NUMBER OF EMPLOYEES 6

1. ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN)
2. INSTRUCTIONS RECEIVED FROM SOLUTIA
3. INSTRUCTIONS RECEIVED FROM USEPA
4. DEVIATIONS
5. VISITORS (NAMES & TITLES)
6. EQUIPMENT
7. LUNCH MEETING COMMENTS:
8. UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)
9. REMARKS:

- ① • Soil gas survey: completed soil gas sampling at Site G (6 points) and at Site N (2 points); laid out soil gas transects on Site L and on Site H (where access was available); laid out remaining soil gas grids on Site I
- Magnetometer survey: unable to perform survey since trucks were not cleared at Site I
- GW sampling at damaged wells: EEG-103 + EEG-111

• Down gradient alluvial aquifer sampling: ~~EEG-51~~ SW-S1-(42-46FT) & (52-56FT)

- ② None
- ③ None
- ④ None
- ⑤ None

- ⑥ Geoprobe rig w/ GC + MIP (soil gas); 2 Geoprobe rigs for GW sampling; support vehicles; magnetometer; HeS equip.; sampling equip.; monitoring instruments

- ⑦ None
- ⑧ None

⑨ ~~None~~ During installation of pilot hole upon retrieval of equipment, LEAD ROD WITH CONE BIT BROKE OFF AND COULD NOT BE RETRIEVED AT LOCATION EEG-02 AT Site H. Lost ~ 20' long.

Given to Hester, 11/3/99 @ 1817 hrs

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink / 03 NOV 99
PRINTED NAME / SIGNATURE OF PREPARER / DATE

SAFETY MEETING FORM (Magnetometer survey)

DATE 03 NOV 99

CONDUCTED BY / COMPANY: DE Haverdink / O'Brien + Gore

PROJECT NAME Solutia - Saugat Area 1

PROJECT LOCATION

Site I

WEATHER Clear

PRECIPITATION None

TEMPERATURE ~35°F

NUMBER OF HOURS WORKED —

NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
5. COMMENTS:

- ① Continue magnetometer grid layout and magnetometer survey on Site I.
- ② FSP # 3.4 ; HASP # 2.3
- ③ Slips / trips / falls ; muscle strain
- ④ PPE is level D (no steel toes when performing magnetometer readings)
- ⑤ At Cerro Copper : drive carefully ~~around~~ due to pedestrian, truck, & fork lift traffic ; sign in & out @ security entrance ; smoking in vehicles only ; drive carefully around field office

ATTENDANCE:

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

Ken CAMPBELL
Frank Rogers
Frank Rogers
Dan Willis
Alan Cook
Nicholas Jenkins

[Signature]
[Signature]
[Signature]
[Signature]
[Signature]
Nicholas Jenkins

MAVERICK
RFW
Solutia
ORG
ORC
ORG

SUBMITTED TO WESTOAL 03 NOV 99 @ 1615

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink
PRINTED NAME / SIGNATURE OF PREPARER

03 NOV 99

DATE

SAFETY MEETING FORM
(Soil gas survey)

DATE 03 NOV 99

CONDUCTED BY / COMPANY: DE Hardink / O'Brien + Gase

PROJECT NAME Solutia - Sargent Area 1

PROJECT LOCATION Sites G, I, + N

WEATHER clear

PRECIPITATION None

TEMPERATURE ~35°F

NUMBER OF HOURS WORKED —

NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
5. COMMENTS:

(1) Soil gas survey using MIP for total VOCs

(2) FSP # 5.2 ; HASP # 2.2

(3) Slips/trips/falls ; muscle strain ; noise ; electric shock ; potential contact/inhalation of impacted air ; minimal potential contact with impacted soil from handling push rods

(4) PPE : Level D w/ chemical-resistant gloves while handling rods
(based on breathing zone readings during waste borings + since this task is a "closed system", Level C is not justified, nor is Level D justified based on previous days)

(5) Smoking in support vehicles only ; segregate wastes and document appropriately on waste tracking log ; drive with caution on Cerrito Loop and around field office

ATTENDANCE:

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

Karl Affinity
Thimbley Perry
John L. Gase
Alan Clark
Erik Kempner

[Handwritten signatures]

MAURERICK
Solutia
LPS
ORB
RFW

SUBMITTED TO WESTON 03 NOV 99 @ 1615

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Hardink / DE Hardink
PRINTED NAME / SIGNATURE OF PREPARER

03 NOV 99

DATE

SAFETY MEETING FORM

CONDUCTED BY / COMPANY:

DE Haradine / De Haradine

DATE 03 NOV 99

PROJECT NAME

Solutra - Sauger Area 1

PROJECT LOCATION

Not Judith Ln., EEG-111

WEATHER

Clear

PRECIPITATION

None

TEMPERATURE

~35°F

NUMBER OF HOURS WORKED

—

NUMBER OF EMPLOYEES

—

1. SCHEDULED WORK:

2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:

3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:

4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:

5. COMMENTS:

- ① Downgradient alluvial aquifer sampling + damaged well sampling
- ② FSP # 5.9a; HASP # 2.6 (generally applicable - not installing wells)
- ③ Potential contact with VOCs, combustible gases, splashing of water, electric shock, muscle strain, slips/trips/falls, noise
- ④ PPE is modified level D with air monitoring in breathing zone using PID + CGM; respirator on hand if upgrade to level C is necessary
- ⑤ Segregate wastes and document appropriately on waste tracking log; smoking in support vehicles only; drive with caution around field office

ATTENDANCE:

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

William E. Wright

William E. Wright

OBrien & Gere

Jim Haradine

Jim Haradine

HARADINE DRILLING

TONY FINN

TONY FINN

OBG

Nicholas Jenkins

Nicholas Jenkins

OBG

Alan Oak

Alan Oak

OBG

Eric Leary

Eric Leary

RFW

Ken Cuff

Ken Cuff

IMPLECK

Kimberly Perry

Kimberly Perry

Solutra

Dan Lester

Dan Lester

J.P.S.

Andrew Lamb

Andrew Lamb

Catalina P.D.

SUBMITTED TO WESTON 03NOV99 @ 1615

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

PRINTED NAME / SIGNATURE OF PREPARER

03 NOV 99

DATE

WORK FORECAST

Work Forecast for the day/week: 04 NOV 99

Date: 03 NOV 99

Project Name: Solutia - Saugat Area 1

Project Location: Saugat / Cokern

Company Name: O'Brien + Gere

1. List Work Items and Locations Scheduled for Next Day/Week:

- Continue soil gas survey and transects at Sites I, H, and L
- Continue down gradient alluvial aquifer sampling N. of Judith Lane
- Continue magnetometer survey at Site I if trucks are moved
- Continue GW sampling at damaged wells

Given to Inspector at 11/3/99 at 1800 hrs

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Harwood / DE Harwood / 03 NOV 99
Name/Signature/Date of Preparer

DAILY WORK LOG

DATE 11/3/99

PROJECT NAME Dead Creek - Saugee Area PROJECT LOCATION Saugee/Cahokia, Ill.

WEATHER clear PRECIPITATION none TEMPERATURE 50°F

NUMBER OF HOURS WORKED _____ NUMBER OF EMPLOYEES _____

1. ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN)
2. INSTRUCTIONS RECEIVED FROM Solutia
3. INSTRUCTIONS RECEIVED FROM USEPA
4. DEVIATIONS
5. VISITORS (NAMES & TITLES)
6. EQUIPMENT
7. LUNCH MEETING COMMENTS:
8. UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)
9. REMARKS:

1. Collected 1 largemouth bass from Borrow P.T.

2. none

3. none

4. none

5. none

6. Seiner

7. none

8. none

9. none

Given to Weston 11/3/99 12:25

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

Katherine Fogarty / Katharine Fogarty
PRINTED NAME / SIGNATURE OF PREPARER / DATE

SAFETY MEETING FORM

CONDUCTED BY / COMPANY: Menzie-Cuna

DATE 11/3/99

PROJECT NAME Dead Creek / Sauget Area

PROJECT LOCATION

Sauget/Cahokia, IL

WEATHER

PRECIPITATION

none

TEMPERATURE

30-40°F

NUMBER OF HOURS WORKED

NUMBER OF EMPLOYEES

3

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
5. COMMENTS:

1. Collection of fish from the Borrow Pit.

2. Ecological Risk Assessment QAPP Section 4.7, ecological risk assessment HASP

3. Practice Boat Safety - wear life jackets in the boat
 Avoid slip trip fall hazards
 Avoid contact with contaminated sediments
 Avoid biological hazards, fish spines, poison ivy, etc.

ATTENDANCE:

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

Dan Levin

Fritz Leary

Phil Downer

Kimberly Perry

KEN GREGORY

[Signatures]

CMA

KPAW

PLD

S. J. J.

NAVERIC

Given to western 11/3/99 0735 PM

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

Katherine Fogarty / Katherine A. Fogarty
 PRINTED NAME / SIGNATURE OF PREPARER

11/3/99

DATE

WORK FORECAST

Work Forecast for the day/week:

11/3/99

Date:

11/3/99

Project Name: Dead Creek/Sauget Area I

Project Location: Sauget/Cahokia, Ill

Company Name: Menzie-Cura Associates

1. List Work Items and Locations Scheduled for Next Day/Week:

Collect one largemouth bass from the Borrow At.

Given to western 11/3/99 0735 KLF

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

Katherine Fogarty/Kathleen A. Fogarty 11/3/99
Name/Signature/Date of Preparer

DEVIATION LOG

INDIVIDUAL REQUESTING DEVIATION / COMPANY: Katherine Fogarty

DATE 11/3/99

Mentzer-Cano & Associates, Inc.

HEALTH & SAFETY APPROVAL REQUIRED: YES: _____ NO: ☒

PROJECT NAME Dead Creek, Saugee Area I PROJECT LOCATION Saugee/Cabokia, IL

WEATHER NA PRECIPITATION NA TEMPERATURE NA

NUMBER OF HOURS WORKED NA NUMBER OF EMPLOYEES NA

1. CONTRACT ITEM BEING WORKED ON: _____
2. ITEM BEING DEVIATED (REF. APPROP. SEC. OF FSP/HASP): _____
3. REASON FOR DEVIATION: _____
4. DEVIATION OR FIELD CHANGE TO BE IMPLEMENTED: _____
5. EQUIPMENT: _____
6. DEVELOPMENTS WHICH MIGHT LEAD TO ISSUANCES OF A CHANGE ORDER OR BE THE BASIS OF A CLAIM (EQUIPMENT, TIME, MANPOWER, ETC.): _____
7. REMARKS: _____

1. Ecological Risk Assessment of Dead Creek

2. Ecological Risk Assessment WAPP Section 4.8

3. Crayfish are not available in the Barrow Pit.

4. Shrimp will be substituted for crayfish. They are available.

5. seines

6. none

7. none

Given to Weston 11/5/99 0730 PMP

Katherine Fogarty / Katherine A Fogarty

PRINTED NAME / SIGNATURE OF PREPARER

11/3/99

DATE

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

Kimberly Perry / Kimberly Perry

PRINTED NAME / SIGNATURE OF SOLICITA REP / DATE

PRINTED NAME / SIGNATURE OF USEPA REP / DATE

Menzie-Cura & Associates, Inc.
One Courthouse Lane
Suite 2
Chelmsford, Massachusetts 01824
Telephone (978) 453-4300
Fax (978) 453-7260

MEMORANDUM

Date: November 3, 1999
File: 648B
To: Kimberly Perry, Solutia
From: Katherine Fogarty *K. Fogarty*
Subject: Minor Changes to Ecological Risk
Assessment Workplan for Dead Creek

The workplan called for collection of one composite sample of benthic macroinvertebrates for tissue analysis from each creek section, the Borrow Pit, Site M, and the two reference areas. Large freshwater clams were abundant in the Borrow Pit and reference areas and were sampled there. Small snails were abundant in some of the creek sections and in the second creek reference area and were sampled there. Invertebrates large enough to provide mass for tissue analysis were not observed at creek sections E or ~~For site M.~~

Given to Weston 11/5/99 0730 KFP

Nov 3

Mencie Curran will try to collect
1 more Bass from the Beaver Pit
they got it about noon

also asked Solina about the
Deviation log for the crawfish
gave it to me today

ORG

Soil Gas Sampling at site G + W

Unable to perform Mag Survey at site I

Continue AA-SW-S1

Damaged existing wells EEG-103 + EEG-111

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	044
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	04 November, 99
	CONTRACT NO.	
CONTRACTOR (Or hired labor) O'Brien Gere	WEATHER	Sunny, Temp. 60°F
CQC Inspection phases attended and instruction given: 1) OBG conducting soil gas survey: sites I,H, and L 2) Alluvial Aquifer Groundwater Sampling: AA-SW-1 at 66 and 76 feet 3) Existing damaged wells: EE-02 & EE-13 sampled by using push type technology at 21 feet and 26 feet respectively		
Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities. 1) Alluvial Aquifer sampling is taking a lot of time. The turbidity is not going below 5 NTU's as required in the FSP so purging continues for two hours at each interval before samples can be taken. This is the 4 th day at the same location.		
Verbal instruction given to contractor: (Include names, reactions and remarks) 1) None		
Has anything developed on thee work, which might lead to a change order or finding of fact? <u>NO</u> YES		
Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc. 1) No trucks were moved at site I so Mag. Survey could not be performed today. 2) Extending beyond the site boundaries for soil gas survey poses access issues with several sites --I (village of Sauget), H (Village of Sauget, Rogers Cartage), G (Queeny Rd. & Cerro Copper). OBG will get what they can and Solutia will work on getting access from the appropriate parties.		

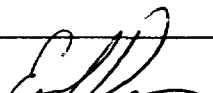
Information, instructions or actions taken not covered on QCR report or disagreement:

1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

INSPECTORS'S SIGNITURE	DATE	SUPERVISOR'S INITIALS	DATE
	11-04-99		

Issues at Sauget Area 1
November 4, 1999

- Menzie Cura on site Nov. 1st to collect fish only. Not enough were collected the first trip out (Borrow Pit, Reference areas 1 and 2) They Got all they needed this time, but still no word as to what they plan to do with the shrimp or muscles they took a month ago.
- Soil Gas Survey activities will begin Nov. 1st. There are issues with extending past the fill boundaries for access.

	North	South	East	West
Site H -	Queeny	Rogers Cartage	Village	o.k.
Site L -	o.k.	o.k.	o.k.	Dead Creek
Site I -	R.R.	o.k.	Village	old D.C.
Site N	o.k.	pipeline	o.k.	Dead Creek
Site G	Queeny	o.k.	Dead Creek	Weise

- OBG returned to do Mag. Survey on Site I but Cerro still not responding quick enough for trailer movement
- Water Sampling
Existing Wells (damaged)
Downgradient
- Piezometer installation at Site N

DAILY WORK LOG

DATE 04 NOV 99

PROJECT NAME Solutra - Sanget Area

PROJECT LOCATION Sanget / Cahokia

WEATHER Clear

PRECIPITATION None

TEMPERATURE ~70°F

NUMBER OF HOURS WORKED 40

NUMBER OF EMPLOYEES 5

1. ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN)
2. INSTRUCTIONS RECEIVED FROM SOLUTIA
3. INSTRUCTIONS RECEIVED FROM USEPA
4. DEVIATIONS
5. VISITORS (NAMES & TITLES)
6. EQUIPMENT
7. LUNCH MEETING COMMENTS:
8. UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)
9. REMARKS:

- ① • Soil gas survey : completed soil gas sampling at Site I (6 points), Site H (2 transect points on Site I), and Site L (6 transect points); laid out soil gas transects at Site G and Site I (where access was available)
- Magnetometer survey : unable to perform survey since trucks were not cleared at Site I
- GW sampling at damaged wells : EE-02, EE-13, field blank, installed EE-12
- Down gradient alluvial aquifer sampling : AA-SW-51 - (62-66 FT) & (72-76 FT)
- ② None
- ③ None
- ④ None
- ⑤ Ice Burroughs @ Cerro Copper
- ⑥ Geoprobe rig w/ GC + MIP (soil gas); 2 Geoprobe rigs (GW sampling); magnetometer; monitoring instruments; sampling equip.; H&S equip.; support vehicles
- ⑦ None
- ⑧ None
- ⑨ Geoprobe rig w/ GC + MIP had a piece of equipment break - due to be repaired approx. mid-late morning 05/NOV/99

SUBMITTED TO WESTON 04 NOV 99 @ 1755

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Harodink / DE Blum / 04 NOV 99
PRINTED NAME / SIGNATURE OF PREPARER / DATE

WORK FORECAST

Work Forecast for the day/week: 05 NOV 99

Date: 04 NOV 99

Project Name: Solutra - Sanget Area 1

Project Location: Sanget / Cahokia

Company Name: O'Brien + Gere

1. List Work Items and Locations Scheduled for Next Day/Week:

- Continue soil gas survey at Sites I, L, H, and G
- Continue down gradient alluvial aquifer sampling N. of Judith Lane
- Continue magnetometer survey at Site I if trucks are moved
- Continue Gb sampling at damaged wells

SUBMITTED TO WESTON 04 NOV 99 @ 1745

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Huverdink / DE Huverdink / 04 NOV 99
Name/Signature/Date of Preparer

SAFETY MEETING FORM
(Magnetometer survey)

DATE 04 NOV 99

CONDUCTED BY / COMPANY: DE Harvardink / O'Brien + Gepe

PROJECT NAME Solutra - Sauget Area 1

PROJECT LOCATION Site I

WEATHER mostly sunny

PRECIPITATION None

TEMPERATURE ~50°F

NUMBER OF HOURS WORKED —

NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
5. COMMENTS:

- ① Continue magnetometer grid layout and magnetometer survey on Site I.
- ② FSP # 3.4 ; HASP # 2.3
- ③ Slips / trips / falls ; muscle strain
- ④ PPE is level D (no steel toes when performing magnetometer readings)
- ⑤ At Cerro Copper : drive carefully ~~around~~ due to pedestrian, truck, & fork lift traffic ; sign in & out @ security entrance ; smoking in vehicles only ; drive carefully around field office

ATTENDANCE:

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

Don Willis
Ken LaFey

Don Willis
Ken LaFey

DRG
MAVERICK

SUBMITTED TO WESTON 04 NOV 99 @ 1645

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Harvardink / DE Shusterman
PRINTED NAME / SIGNATURE OF PREPARER

04 NOV 99

DATE

SAFETY MEETING FORM
(Soil gas survey)

DATE 04 NOV 99

CONDUCTED BY / COMPANY: DE Havardink / O'Brien & Gore

PROJECT NAME Solutia - Sargent Area 1 PROJECT LOCATION Sites T & L

WEATHER mostly sunny PRECIPITATION None TEMPERATURE -50°F

NUMBER OF HOURS WORKED — NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
5. COMMENTS:

- (1) Soil gas survey using MIP for total VOCs
- (2) FSP # 3.2 ; HASP # 2.2
- (3) Slips / trips / falls ; muscle strain ; noise ; electric shock ; potential contact / inhalation of impacted air ; minimal potential contact with impacted soil
- (4) PPE : Level D w/ chemical resistant gloves while handling drive rods (based on breathing zone readings during waste borings & since this task is a "closed system", level C is not justified; mod D also not justified based on previous days)
- (5) Smoking in support vehicles only ; segregate wastes and document appropriately on waste tracking log ; drive with caution on Cerrro Coppe and around field office

ATTENDANCE:

EMPLOYEE NAME (print) EMPLOYEE SIGNATURE COMPANY

Ken LAFFERTY [Signature] HAVERCK
CONVULGANT [Signature] IPS

SUBMITTED TO WESTON 04 NOV 99 @ 1645

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Havardink / DE Havardink
PRINTED NAME / SIGNATURE OF PREPARER

04 NOV 99
DATE

SAFETY MEETING FORM

(Down gradient alluvial aquifer sampling)
(Damaged well sampling)

DATE 04 NOV 99

CONDUCTED BY / COMPANY: DE Harvink / O.D.G.

PROJECT NAME Solutra - Sanger Area 1

PROJECT LOCATION SLOUGH, Sites H & I

WEATHER mostly sunny

PRECIPITATION None

TEMPERATURE ~50°F

NUMBER OF HOURS WORKED —

NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
5. COMMENTS:

- ① Down gradient alluvial aquifer sampling & damaged well sampling
- ② FSP # 5.9.52; HASP # 2.6 (generally applicable - not installing wells)
- ③ Potential contact with VOCs, combustible gases, splashing of water, electric shock, muscle strain, slips/trips/falls, noise, contact w/irritant plants
- ④ PPE is modified level D with air monitoring in breathing zone using PID+CGM; respirator on hand if upgrade to level C is necessary
- ⑤ Segregate wastes and document appropriately on waste tracking log; smoking in support vehicles only; drive with caution around field office

ATTENDANCE:

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

William E. Wright
Jim Harvink
TONY FINCH
Don Lister
Deak, Randall #26
Ben Caffery

William E. Wright
Jim Harvink
Tony Finch
Don Lister
Deak, Randall #26
Ben Caffery

O'Brien & Gere
Finnish Drilling
O.B.G.
I.P.S.
Columbia P.D.
MAVERICK

SUBMITTED TO LESTON 04 NOV 99 @ 1645

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Harvink / DE Harvink
PRINTED NAME / SIGNATURE OF PREPARER

04 NOV 99

DATE

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

Sauget Site Investigation

Date: 11/4/99

[illegible]

Notes:

Storage Tank Capacity: 4,900 Gallons

Nov 4

OBG

Soil Gas Survey at I and H

Still no Mag Survey on site I
Cerro has not moved any trucks

Damaged wells - EE-02, EE-13

AFI-SW-51 (66 to 76 feet)

Mike McArthur thru the rest of the
week over at site Q. He said he
would mention something to Cerro about
moving trucks

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	045
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	05 November, 99
	CONTRACT NO.	
CONTRACTOR (Or hired labor) O'Brien Gere	WEATHER	Sunny, Temp. 65°F
CQC Inspection phases attended and instruction given: 1) Soil gas survey: Sites L, H, and I. 2) Alluvial Aquifer Groundwater Sampling: sampled AA-SW-S1 at 86 an 95 feet 3) Existing damaged wells: EE-12(31 feet) & EE-14(35 feet) using push technology 4) Mag Survey: Site I, Should finish Mag Survey on Monday Nov. 8 th		
Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities. 1) Alluvial Aquifer sampling is taking a lot of time. The turbidity is not going below 5 NTU's as required in the FSP so purging continues for two hours at each interval before samples can be taken. This is the 5 th day at the same location. OBG is down to 95 feet.		
Verbal instruction given to contractor: (Include names, reactions and remarks) 1) None		
Has anything developed on thee work, which might lead to a change order or <u>NO</u> YES finding of fact?		
Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc. 1) Extending beyond the site boundaries for soil gas survey poses access issues with several sites --I (village of Sauget), H (Village of Sauget, Rogers Cartage), G (Queeny Rd. & Cerro Copper). OBG will get what they can and Solutia will work on getting access from the appropriate parties. 2) Cerro Copper moved most of the remaining trailers for OBG, Mag Survey activities continue on site I		

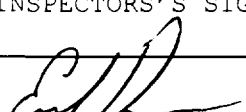
Information, instructions or actions taken not covered on QCR report or disagreement:

1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

INSPECTORS' S SIGNITURE	DATE	SUPERVISOR'S INITIALS	DATE
	11-05-99		

DAILY WORK LOG

DATE 11/5/99

PROJECT NAME Solutia Sarget Arel PROJECT LOCATION Sike I, L, H & SW of G
WEATHER Sunny, Clear PRECIPITATION None TEMPERATURE 65°F
NUMBER OF HOURS WORKED 10 NUMBER OF EMPLOYEES 4

- | |
|---|
| 1. ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN) |
| 2. INSTRUCTIONS RECEIVED FROM SOLUTIA |
| 3. INSTRUCTIONS RECEIVED FROM USEPA |
| 4. DEVIATIONS |
| 5. VISITORS (NAMES & TITLES) |
| 6. EQUIPMENT |
| 7. LUNCH MEETING COMMENTS: |
| 8. UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.) |
| 9. REMARKS: |

① Completed installation of Geopaches to collect GW samples @ Fill Area Wells
FE-12, EE-14 & EE-15. Developed and sampled EE-12 & EE-14. EE-15
will be developed and sampled on 11/2/99

Completed five more lines of the Mag survey on Site 1 (33 pts) in areas where trailers were moved. Will complete remaining areas on 11/6/99 pending truck movement.

Collected Down Gradient Aquifer Samples @ AA-SW-S1 @ Tle
82 to 86' & 91 to 95' Intervals

* Performed Soil gas survey transects on Site L (4 points), Site H (3 pts), and Site I (3 pts)

② • Collect sample from EE-15 location to the west of lower location -
perdy (also approval). Carro approved location on 11/5/99 Joe Bonvissis

- Okay to stop East Transect for soil bcs survey on Site 6 since we had only background results @ 9th Octon, other hits @ 1400 & 2400 attributed to Keely's operations

③ None

A) None

⑤ Mike MaTeen USEPA RPM

② Geoprobe units (3), MIP unit, peristaltic pumps, tubing, Magnetometer

⑦ Nose

(2) None

Q None

**IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE**

Alger / Clerk / D.D. 11/5/94
PRINTED NAME / SIGNATURE OF PREPARER / DATE

Given to Weston@ 1700 HRS on 11/5/99
and 11/10/99 0815 top

SAFETY MEETING FORM

CONDUCTED BY / COMPANY: RE Haverdink / O'Brien + Co

DATE 05 Nov 99

PROJECT NAME Solutia - Sargent Area 1 PROJECT LOCATION Sites I, L, G, H

WEATHER clear PRECIPITATION none TEMPERATURE ~50F

NUMBER OF HOURS WORKED _____ NUMBER OF EMPLOYEES _____

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
5. COMMENTS:

- ① Soil gas survey using MIP for total VOCs & possible continuation of magnetometer survey, grid layout and mag. survey
- ② (FSP # 2.2 ; HASP # 2.2 for Soilgas) ; (FSP # 5.4 ; HASP # 2.3 for mag.)
- ③ Slips / trips / falls ; muscle strain ; noise ; electric shock ; potential contact / inhalation of impacted air ; minimal potential contact with impacted soil
- ④ PPE : Level D w/ chemical resistant gloves for soil gas ; no steel toes for mag. survey (based on breathing zone readings during waste borings & since this task is a "closed system", level C is not justified ; med D not justified based on previous days)
- ⑤ Smoking in support vehicles only ; segregate wastes and document appropriately, on waste tracking log ; drive with caution on Cerro Gordo and around field office

ATTENDANCE:

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

John Chesley

Alan Cook

Ken LAFFERTY

Kimberly Perry

[Signature]

ALDA

4-25

[Signature]

LES

ORE

MAYORICK

Sulfur

Given to Western @ 1700 Hrs on 11/5/99

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Houdink / DE Haverdink
PRINTED NAME / SIGNATURE OF PREPARER

05 NOV 99

DATE _____

SAFETY MEETING FORM

CONDUCTED BY / COMPANY:

*(Down gradient alluvial aquifer sampling)
Damaged well sampling*
DE Harvardink / O'Brien + Gere

DATE 05 Nov 99

PROJECT NAME

Solutra - Saugeet Area 1

PROJECT LOCATION

SL of G.H.E.L., Site I, SAN

WEATHER

Clear

PRECIPITATION

none

TEMPERATURE

~50°F

NUMBER OF HOURS WORKED

—

NUMBER OF EMPLOYEES

—

1. SCHEDULED WORK:

2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:

3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:

4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:

5. COMMENTS:

- ① Down gradient alluvial aquifer sampling, damaged well sampling, protective casing for piezometers @ Site A
- ② FSP # 5.9.57; HASP # 2.6 (generally applicable - not installing wells)
- ③ Potential contact with VOCs, combustible gases, splashing of water, electric shock, muscle strain, slips/trips/falls, noise
- ④ PPE is modified level D with air monitoring in breathing zone using PID+CGM; respirator on hand if upgrade to level C is necessary; level D only for protective casing
- ⑤ Segregate wastes and document appropriately on waste tracking log; smoking in support vehicles only; drive with caution around field office

ATTENDANCE:

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

<u>Don Harris</u>	<u>[Signature]</u>	<u>I.P.S.</u>
<u>Don Harris</u>	<u>[Signature]</u>	<u>HARRISS DRILLING</u>
<u>Paul D. Channing</u>	<u>[Signature]</u>	<u>HARRISS DRILLING</u>
<u>DAIR SCARCE</u>	<u>[Signature]</u>	<u>HARRISS DRILLING</u>
<u>TOMMY FINCH</u>	<u>[Signature]</u>	<u>ORCO</u>
<u>Alan Cox</u>	<u>[Signature]</u>	<u>ORCO</u>
<u>Ken Lafferty</u>	<u>[Signature]</u>	<u>MAHLEK</u>
<u>Bill Wright</u>	<u>[Signature]</u>	<u>ORCO</u>
<u>Timberly, Terry</u>	<u>[Signature]</u>	<u>Sol-Tm</u>

Given to Weston @ 1700 Hrs on 11/5/99

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

PRINTED NAME / SIGNATURE OF PREPARER

05/NOV/99

DATE

WORK FORECAST

Work Forecast for the day/week

11/8/99

Date: 11/5/99

Project Name:

Solita Sarget Area 1

Project Location:

Company Name:

O'Brien & Gere Engineers

1. List Work Items and Locations Scheduled for Next Day/Week:

- Continue Downgradient Alluvial Aquifer Sampling Southwest of Site G, H, L
- If Soil Gas not completed on 11/5/99. Will need to finish next week
- Complete magnetometer survey @ Site I pending movement of truck trailers by Cerro
- Begin Collection of Soil samples along Creek transects 1 thru 7 (Mid-week likely start time)
- Surveyor continue work tying in points from Sampling

Given to western @ 1700 Hrs on 11/5/99

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

Alan Cook / RDH / 11/5/99
Name/Signature/Date of Preparer

WORK FORECAST

Work Forecast for the day/week: 11/8/99

Date: 11/5/99

Project Name: Solutra Sarget Area Project Location: _____

Company Name: O'Brien & Gere

1. List Work Items and Locations Scheduled for Next Day/Week:

- Develop, purge & collect sample from geoprobe location near former Fill Area well EE-15. Also collect Duplicate @ this location.
- Complete Soil Gas Survey on Transects on Site G
- Continue Down Gradient Alluvial Aquifer sampling @ AA-SW-S1. Moving on to AA-SW-S2 south of S1.
- Contact Layne to see when they are available to complete waste bags @ Site N
- Contact Hentze to see when they are available to complete test trenching @ Site N.
- Prepare for Undersampled transect soil sampling. Coordinate sample containers, etc.

Over to Weston @ 1700 Hrs on 11/5/99

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

Alan J. Calk / ALJ / 11/5/99
Name/Signature/Date of Preparer

Nov 5

Collected sample from damaged wells
EE-12 + EE-14

Completed a large amount of site
I Mag survey

AA-SW-S1 from 86 - 95 feet

Completed Soil Gas Survey on
Site L

Mike McAteer stayed by to
see some of the work before he
heads back to Chicago

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	046
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	08 November, 99
	CONTRACT NO.	
CONTRACTOR (Or hired labor) O'Brien Gere	WEATHER	Sunny, Temp. 80°F
CQC Inspection phases attended and instruction given: 1) Collected water sample at damaged well location EE-15 by using the Geo-Probe unit and pushing rods to 27 feet purged the area then collected the sample. 2) OBG encountered bedrock at 104 feet on AA-SW-S1, sampled the final interval also split with Weston at this location 3) OBG was able to finish the Mag. Survey at site I		
Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities. 1) Alluvial Aquifer sampling is taking a lot of time. The turbidity is not going below 5 NTU's as required in the FSP so purging continues for two hours at each interval before samples can be taken.		
Verbal instruction given to contractor: (Include names, reactions and remarks) 1) None		
Has anything developed on thee work, which might lead to a change order or finding of fact? <u>NO</u> YES		
Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc. 1) Extending beyond the site boundaries for soil gas survey poses access issues with several sites --I (village of Sauget), H (Village of Sauget, Rogers Cartage), G (Queeny Rd. & Cerro Copper). OBG will get what they can and Solutia will work on getting access from the appropriate parties.		

Information, instructions or actions taken not covered on QCR report or disagreement:

1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

INSPECTORS' S SIGNITURE

DATE

SUPERVISOR'S
INITIALS

DATE

11-08-99

DAILY WORK LOG

DATE 11/8/99

PROJECT NAME Solutia Sargent Avenue PROJECT LOCATION _____
 WEATHER Sunny PRECIPITATION None TEMPERATURE 80°F
 NUMBER OF HOURS WORKED 45 NUMBER OF EMPLOYEES 5

1. ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN)
2. INSTRUCTIONS RECEIVED FROM Solutia
3. INSTRUCTIONS RECEIVED FROM USEPA
4. DEVIATIONS
5. VISITORS (NAMES & TITLES)
6. EQUIPMENT
7. LUNCH MEETING COMMENTS:
8. UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)
9. REMARKS:

① Completed the sampling of replacement sampling point for EE-15 (EE-15-GP). Also collected a duplicate and a split for Weston @ this location.

Collected a sample from down gradient alluvial Aquifer interval 101'-104' @ AA-SH-31. Hole was terminated @ this depth due to encountering bedrock @ 104'. Also collected MS, MSD & Field Duplicate and a split of Weston @ this location.

Finished May Survey @ Site J

② None

③ None

④ None

⑤ Joe Barreaga @ Camp on May Survey

⑥ Geoprobe, peristaltic pumps, tubing, Magnetometer support vehicles

⑦ None

⑧ None

⑨ Completion of Soil Gas Survey was postponed until Tues 11/9/99 Due to IPS availability only a 1/2 Day on 11/8/99

Given to Weston @ 11/8/99 @ 1830

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

Alan J. Calk / ADK 11/8/99
 PRINTED NAME / SIGNATURE OF PREPARER / DATE

SUBJECT

Solutia Site I (Cerro Copper)

SHEET

180

12-11

11-8-99 DCR

• Magnetometer Survey
Complete

14 # of trailers in
unswayed area

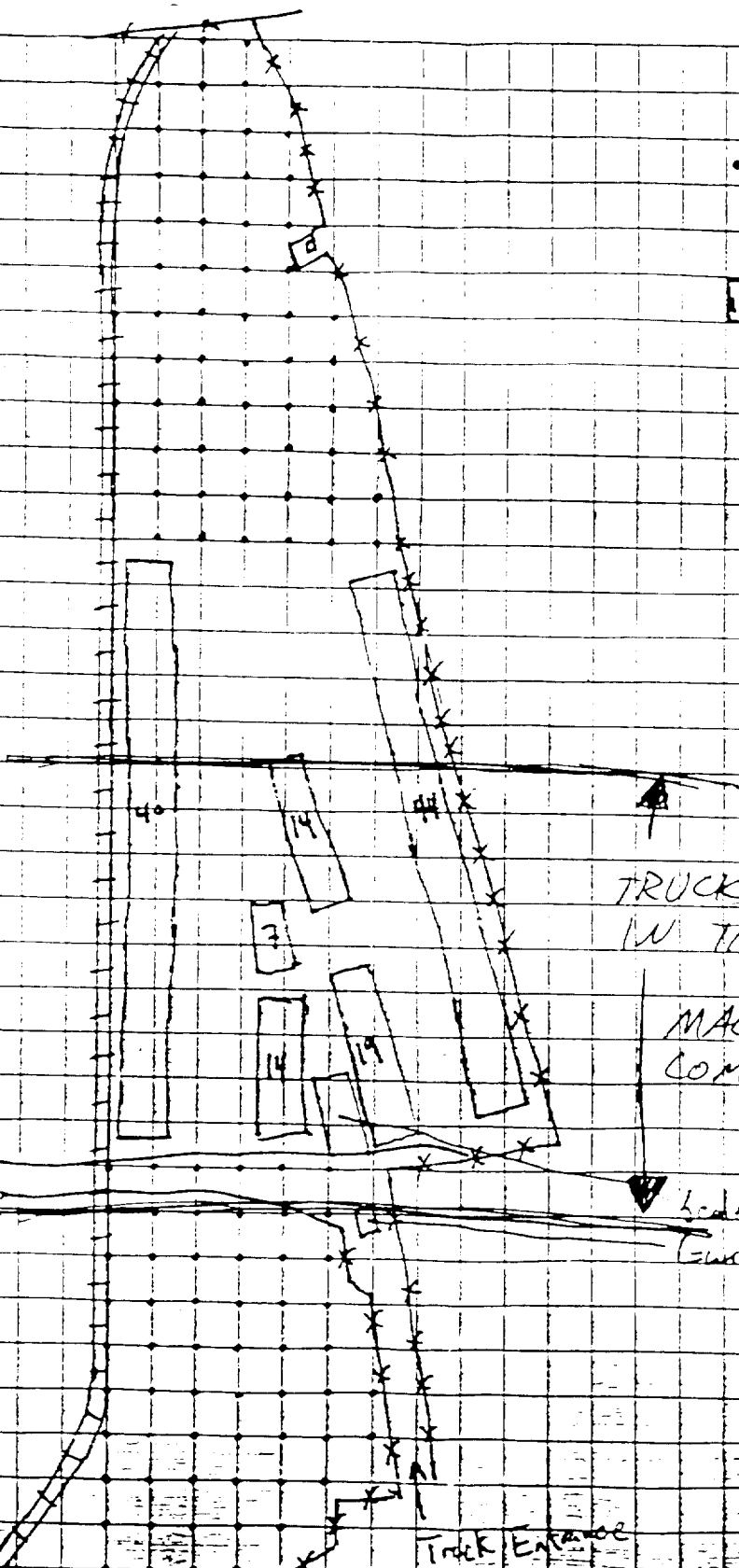
TRUCKS CLEARED
IN THIS AREA

MAG. SURVEY
COMPLETED

Boys
Church House

Truck Entrance

Old Quarry



WORK FORECAST

Work Forecast for the day/week: 11/9/99

Date: 11/8/99

Project Name: Soluta Sagat Area 1 Project Location: _____

Company Name: O'Brien & Gere

1. List Work Items and Locations Scheduled for Next Day/Week:

① Downgradient alluvial aquifer supply SW of Site G
(AA-SW-S2)

• Soil Gas Survey ^{North} South transect Site I and South &
West transects on Site G

• Survey & tie in point

•

Over to western @ 1830 on 11/8/99

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

Name/Signature/Date of Preparer

SAFETY MEETING FORM

(Down gradient alluvial aquifer sampling)
(Damaged well sampling)

DATE 08 Nov 99

CONDUCTED BY / COMPANY: DE Harvardink / O'Brien + Gere

PROJECT NAME Solutra - Solutra Area 1 PROJECT LOCATION SW of GH 1.1

WEATHER Clear PRECIPITATION None TEMPERATURE ~60°F

NUMBER OF HOURS WORKED — NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
5. COMMENTS:

- ① Down gradient alluvial aquifer sampling behind Moto Mart; possibly sampling of EE-B6F
- ② FSP # 5.9.5.2, HASP # 2.6 (generally applicable - not installing wells)
- ③ Potential contact with VOCs, combustible gases, splashing of water, electric shock, muscle strain, slips/trips/falls, noise, irritant plants
- ④ PPE is modified level D with air monitoring in breathing zone using PID + CGM; respirator on hand if upgrade to level C is necessary
- ⑤ Segregate wastes and document appropriately on waste tracking log; smoking in support vehicles only; drive with caution around field office

ATTENDANCE:

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
Ed Kasper	[Signature]	RFW
Ed LAFFERTY	[Signature]	RFW
Don Conner	[Signature]	RFW
Kimberly Pears	[Signature]	Solutra
William E. Wright	[Signature]	OBG
Alan Cook	[Signature]	OBG
Nick Jenkins	[Signature]	OBG

Cover to Western @ 1830 on 11/6/99

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Harvardink / J.C. Harwood
PRINTED NAME / SIGNATURE OF PREPARER

08 Nov 99
DATE

SAFETY MEETING FORM (Magnetometer survey)

DATE 08 NOV 99

CONDUCTED BY / COMPANY: DE Haverdink / O'Brien & Gere

PROJECT NAME Solutia - Sauget Area 1

PROJECT LOCATION Site I

WEATHER Clear

PRECIPITATION None

TEMPERATURE ~70F

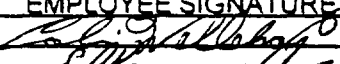

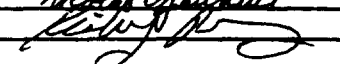
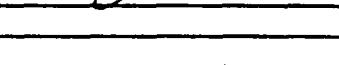

NUMBER OF HOURS WORKED —

NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
5. COMMENTS:

- (1) Continue magnetometer grid layout and magnetometer survey on Site I.
- (2) FSP # 5.4 ; HASP # 2.3
- (3) Slips / trips / falls ; muscle strain
- (4) PPE is Level D (no steel toes when performing magnetometer readings)
- (5) At Cerra Copper : drive carefully around due to pedestrian, truck, & fork lift traffic ; sign in & out @ security entrance ; smoking in vehicles only ; drive carefully around Field office

ATTENDANCE:

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
Coryn WELLENKAMP		DRG
Eric Kasper		RFW
Alan Clark		DRG
Nicholas Jenkins		DRG
Kimberly Perry		Solutia

Given to Western @ 1830 on 11/8/99

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink
PRINTED NAME / SIGNATURE OF PREPARER

08 Nov 99
DATE

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

SITE VISITOR LOG

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

Nov 8

ORBG finished Mag Survey
today for Site I this completes
this task

Spl't sample AA-S10-S1 (1016104)
bedrock was encountered

Sample changed EE-15 at 27 feet

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	047
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	09 November, 99
	CONTRACT NO.	
CONTRACTOR (Or hired labor) O'Brien Gere	WEATHER	Sunny, Temp. 80°F
CQC Inspection phases attended and instruction given: 1) Soil Gas Survey has been completed at all areas except where transects continue off the property for which Solutia has access agreement. 2) OBG collected water samples on AA-SW-S2(14 to 16), (22 to 26), and (32 to 36) ft.		
Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities. 1) Alluvial Aquifer sampling is taking a lot of time. The turbidity is not going below 5 NTU's as required in the FSP so purging continues for two hours at each interval before samples can be taken.		
Verbal instruction given to contractor: (Include names, reactions and remarks) 1) None		
Has anything developed on the work, which might lead to a change order or finding of fact? <u>NO</u> YES		
Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc. 1) Extending beyond the site boundaries for soil gas survey poses access issues with several sites --I (village of Sauget), H (Village of Sauget, Rogers Cartage), G (Queeny Rd. & Cerro Copper). OBG will get what they can and Solutia will work on getting access from the appropriate parties. 2) Access to the Hankins property (AA-GHL-S1, S2, S3) has become a problem, the owner doesn't want anyone on her land.		

Information, instructions or actions taken not covered on QCR report or disagreement:

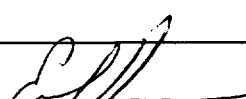
1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

Weekly Progress Report with Michael McAteer and Tim Gouger (see attached)

INSPECTORS' S SIGNITURE	DATE	SUPERVISOR'S INITIALS	DATE
	11-09-99		

Issues at Sauget Area 1
November 9, 1999

- Soil Gas collection continues
- Finished Mag Survey at Site I
- Downgradient Alluvial Aquifer going slowly
- Menzie Cura explanation for shrimp vs. Crawfish (see attached)

DEVIATION LOG

INDIVIDUAL REQUESTING DEVIATION / COMPANY: Katherine Fogarty
Menzies-Cross & Associates, Inc.

DATE 11/3/99

HEALTH & SAFETY APPROVAL REQUIRED: YES: _____ NO: ☒

PROJECT NAME Dead Creek, Sauget Area I PROJECT LOCATION Sauget/Cahokia, Ill

WEATHER NA PRECIPITATION NA TEMPERATURE NA

NUMBER OF HOURS WORKED NA NUMBER OF EMPLOYEES NA

1. CONTRACT ITEM BEING WORKED ON:
2. ITEM BEING DEVIATED (REF. APPROP. SEC. OF FSP/HASP):
3. REASON FOR DEVIATION:
4. DEVIATION OR FIELD CHANGE TO BE IMPLEMENTED:
5. EQUIPMENT:
6. DEVELOPMENTS WHICH MIGHT LEAD TO ISSUANCES OF A CHANGE ORDER OR BE THE BASIS OF A CLAIM (EQUIPMENT; TIME; MANPOWER; ETC.):
7. REMARKS:

1. Ecological Risk Assessment of Dead Creek
2. Ecological Risk Assessment QAPP Section 4.8
3. Crayfish are not available in the Barrow Pit.
4. Shrimp will be substituted for crayfish. They are available.
5. seines
6. none
7. none

Given to Weston 11/5/99 0730 ~~PP~~

Katherine Fogarty / Katherine A Fogarty
 PRINTED NAME / SIGNATURE OF PREPARER

11/3/99

DATE

Kimberly Penn / Kimberly Penn 11/5/99
 PRINTED NAME / SIGNATURE OF SOLUTIA REP / DATE

PRINTED NAME / SIGNATURE OF USEPA REP / DATE

IF ADDITIONAL SPACE IS REQUIRED,
 RECORD ON REVERSE SIDE

PREPARATORY INSPECTION MEETING

Conducted by/Company: Alan Cork / O'Brien & Gere Date: 11/9/99
 Project Name: Solutia Inc. Target Area 1 Task: Undeveloped Area Surface & Subsurface Sampling - Section 5.17 FSP

1. Scheduled Work:
2. Equipment, Procedures, Personnel:
3. Ref. To App. Sec. of FSP/HASP:
4. Issues that could arise and how to resolve:
5. Solutia comments:
6. EPA comments: (0.5 FT)

- ① Completion of surface & subsurface ³~~10~~-6' B6) soil sampling along Seven (7) Soil transects running from Dead creek to Rt 3 or Dead Creek to Falling Springs Road. Collect Dioxin Samples @ a 20% frequency in Surface & Subsurface soils
- ② Stainless Steel tool & spurs, Soil hand auger, sample containers
Possibly use Geoprobe if hand augering impractical
- ③ FSP Section 5.17 HASP Section 2.8 - Mod Level D
- ④ Collection of @ Depth Samples w/ hand auger prohibitive may consider use of Geoprobe Rig for these.
- ⑤ Note Burned Area along Transect #2, Make sure we can sample points in area w/o getting any burned vegetation in sample. Subsurface Soil Samples w/ be composites from the 3' to 6' interval.
- ⑥ Clarify disconnect w/ section 5.17.2 & 5.17.5. See Clarification Log for 11/10/99

ATTENDANCE:

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
Kimberly Perry	<i>[Signature]</i>	Solutia
Ken LAFFERTY	<i>[Signature]</i>	NAVERICK.
Colin WELLENKAMP	<i>[Signature]</i>	OBG
David Hamedink	<i>[Signature]</i>	OBG
Erik Kasper	<i>[Signature]</i>	RFW
Nick Jenkins	<i>[Signature]</i>	OBG

Guerto Weston @ 1820 on 11/10/99

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

Alan Cork / [Signature]
 PRINTED NAME / SIGNATURE OF PREPARED
11/10/99
 DATE

DAILY WORK LOG

DATE 09 NOV 99

PROJECT NAME Solutia-Sunget Area

PROJECT LOCATION SW of GHIL, Sites I + G

WEATHER Clear + windy

PRECIPITATION None

TEMPERATURE ~80°F

NUMBER OF HOURS WORKED 32

NUMBER OF EMPLOYEES 4

1. ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN)

2. INSTRUCTIONS RECEIVED FROM SOLUTIA

3. INSTRUCTIONS RECEIVED FROM USEPA

4. DEVIATIONS

5. VISITORS (NAMES & TITLES)

6. EQUIPMENT

7. LUNCH MEETING COMMENTS

8. UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)

9. REMARKS:

(1) - Performed soil gas survey transects N+S of Site I (4 pts) and W+S of Site G (6 pts) - Soil gas survey completed in all areas where access was granted

• Collected G/L samples AA-SW-S2- (14-16 FT), (22-26 FT), + (32-36 FT)

• Surveyor performed GPS survey of sample pts previously accomplished

(2) Experienced problems with Hankins property access. OBG was informed by Ken LaBerty not to access the property until further notice is given

(3) None

(4) None

(5) See attached visitors log

(6) Geoprobe rig w/ GC & MIP; Geoprobe rig for G/L sampling; support vehicles; HES equip.; monitoring equip.; sampling equip.

(7) None

(8) None

(9) None

Submitted to Weston 11-9-99 @ 1800

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink

PRINTED NAME / SIGNATURE OF PREPARER / DATE

09 NOV 99

WORK FORECAST

Work Forecast for the day/week:

11/10/99

Date:

11/9/99

Project Name:

Solutia Sarget Area 1

Project Location:

Company Name:

O'Brien & Gere

1. List Work Items and Locations Scheduled for Next Day/Week:

- Continue Down gradient Alluvial Aquifer Samples
@ AA-SW-S2. Also will start second geoprobe
@ AA-SW-S3
- Hold Reporting Inspection for Undeveloped Soil
Transect Sampling
- Begin Undeveloped Soil Transect Sampling

Given to Weber @ 1800 on 11/9/99

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

Alan J. Cook / ARJ 11/9/99

Name/Signature/Date of Preparer

SAFETY MEETING FORM

(Down gradient alluvial aquifer sampling)

DATE 09 NOV 99

CONDUCTED BY / COMPANY DE Haverdink / O'Brien + Gere

PROJECT NAME Solutia - Sanger Area 1

PROJECT LOCATION SW of GH, LL

WEATHER Clear

PRECIPITATION None

TEMPERATURE ~55°F

NUMBER OF HOURS WORKED —

NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
5. COMMENTS:

- ① Down gradient alluvial aquifer sampling
- ② FSP # 5.9 ; HASP # 2.6 (generally applicable - not installing wells)
- ③ Potential contact with VOCs, combustible gases, splashing of water, electric shock, muscle strain, slips/trips/falls, noise, irritant plants
- ④ PPE is modified level D with air monitoring in breathing zone using PID + CGM; respirator on hand if upgrade to level C is necessary
- ⑤ Segregate wastes and document appropriately on waste tracking log; smoking in support vehicles only; drive with caution around field office

ATTENDANCE:

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

Ken Lafferty
 Kimberly Leary
 Dan Corbett
 Alan Cook

Ken Lafferty
 Kimberly Leary
 Dan Corbett
 Alan Cook

MAURICK
 Solutia
 OPS
 OBG

Given to Weston @ 1800 on 11/9/99

IF ADDITIONAL SPACE IS REQUIRED,
 RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink

PRINTED NAME / SIGNATURE OF PREPARER

09 NOV 99

DATE

SAFETY MEETING FORM
(Soil gas survey)

DATE 09 Nov 99

CONDUCTED BY / COMPANY: DE Havardink / O'Brien + Gere

PROJECT NAME Solutia - Sanger Area 1

PROJECT LOCATION Sites I + G

WEATHER Clear

PRECIPITATION None

TEMPERATURE ~55°F

NUMBER OF HOURS WORKED —

NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
5. COMMENTS:

- (1) Soil gas survey using MIP for total VOCs - transects on I + G
- (2) FSP # 5.2 ; HASP # 2.2
- (3) Slips/trips/falls ; muscle strain ; noise ; electric shock ; potential contact/inhalation of impacted air ; minimal potential contact with impacted soil
- (4) PPE : level D w/ chemical resistant gloves handling rods
(based on breathing zone readings during waste borings + since this task is a "closed system", level C is not justified ; mod D not justified based on previous days)
- (5) Snacking in support vehicles only ; segregate wastes and document appropriately on waste tracking log ; drive with caution on Corns Lanes and around field office

ATTENDANCE:

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

Ken LAFFERTY
Alan Cant
Kurtis J Perry
Doug WEAVER

[Handwritten signatures]

HAVERDINK
O'Brien
Solutia
IPS

Given to Weston @ 1800 on 11/9/99

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Havardink / DE Havardink
PRINTED NAME / SIGNATURE OF PREPARER

09 Nov 99
DATE

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

SITE VISITOR LOG

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

Nov 9

Performed soil gas survey

I - North + South, West on I not accessible
East of I is off the property. Solution
is working on access

G - West + South, North on into Quarry
East is Dead Creek

Ground Water: AA-SW-S2 (14-16), (24-26), (34-36)

Property access issue has developed at
Hankins Property
Solution is working on it

Prep Meeting for Undeveloped Soil Sampling

Surface Samples will be taken @ 0 to 5 ft.

Sub Surface Samples will be taken @ 3 to 6 ft.

a small grass fire occurred at Transect #2
will avoid burnt material in samples

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	048
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	10 November, 99
	CONTRACT NO.	
O'Brien Gere	WEATHER	Sunny, Temp. 75°F
CQC Inspection phases attended and instruction given: 1) Undeveloped soil sampling at Transect 1 completed UAS-T1-S1 and S2 2) OBG collected water samples on AA-SW-S2(42 to 46), (52 to 56), and (62 to 66) ft. also at location AA-SW-S3(14 to 16) and (22 to 26) 3) A preparatory inspection meeting was held for Undeveloped Soil Sampling(FSP Section 5-17) and a clarification was issued stating that the subsurface sample would be taken from 3 to 6 feet instead of 0 to 6 feet as stated in the FSP. (see attached)		
Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities. 1) Alluvial Aquifer sampling is taking a lot of time. The turbidity is not going below 5 NTU's as required in the FSP so purging continues for two hours at each interval before samples can be taken.		
Verbal instruction given to contractor: (Include names, reactions and remarks) 1) None		
Has anything developed on the work, which might lead to a change order or finding of fact? <u>NO</u> YES		
Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc. 1) Extending beyond the site boundaries for soil gas survey poses access issues with several sites --I (village of Sauget), H (Village of Sauget, Rogers Cartage), G (Queeny Rd. & Cerro Copper). OBG will get what they can and Solutia will work on getting access from the appropriate parties. 2) Access to the Hankins property (AA-GHL-S1, S2, S3) has become a problem, the owner doesn't want anyone on her land.		


Information, instructions or actions taken not covered on QCR report or disagreement:

1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

INSPECTORS'S SIGNITURE	DATE	SUPERVISOR'S INITIALS	DATE
	11-10-99		

CLARIFICATION LOG

INDIVIDUAL REQUESTING CLARIFICATION / COMPANY:

Alan Cook / O'Brien & Gere

DATE 11/10/99

HEALTH & SAFETY APPROVAL REQUIRED:

YES: _____

NO: X

PROJECT NAME

Solutra Sunset Area 1

PROJECT LOCATION

Undeveloped Area Soil Transects

WEATHER

Clear

PRECIPITATION

None

TEMPERATURE

70°F

NUMBER OF HOURS WORKED _____

NUMBER OF EMPLOYEES _____

1. CONTRACT ITEM BEING WORKED ON:

2. ITEM BEING CLARIFIED (REF. APPROP. SEC. OF FSP/HASP):

3. REASON FOR CLARIFICATION:

4. CLARIFICATION TO BE IMPLEMENTED:

5. EQUIPMENT:

6. DEVELOPMENTS WHICH MIGHT LEAD TO ISSUANCES OF A CHANGE ORDER OR BE THE BASIS OF A CLAIM (EQUIPMENT TIME: MANPOWER ETC.):

7. REMARKS:

① Undeveloped Area Soil Transects Surface & Subsurface Soil Sampling

② FSP Section 5.17.2 vs 5.17.5

③ FSP Section 5.17.2 states subsurface interval being sampled is 0.5 to 6 FT
FSP Section 5.17.5 states subsurface interval being sampled is 3 to 6 FT

④ Section 5.17.5 will be implemented w/ VOC Encores will be collected
@ the 3 ft interval w/ PID readings being taken on each
additional interval until 6 ft reached.

⑤ No New Equipment Required

⑥ None

⑦ None

Over to Weston @ 1630 on 11/10/99

Alan J Cook / AOD
PRINTED NAME / SIGNATURE OF PREPARER

DATE

11/10/99

Kimberly Perry / KRP 11/10/99
PRINTED NAME / SIGNATURE OF SOLUTIA REP / DATE

PRINTED NAME / SIGNATURE OF USEPA REP / DATE

IF ADDITIONAL SPACE IS REQUIRED,

DAILY WORK LOG

DATE 11/10/99

PROJECT NAME Solutia Saget Area PROJECT LOCATION _____
 WEATHER Clear/Windy PRECIPITATION None TEMPERATURE 75°F
 NUMBER OF HOURS WORKED 47 NUMBER OF EMPLOYEES 5

1. ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN)
2. INSTRUCTIONS RECEIVED FROM SOLUTIA
3. INSTRUCTIONS RECEIVED FROM USEPA
4. DEVIATIONS
5. VISITORS (NAMES & TITLES)
6. EQUIPMENT
7. LUNCH MEETING COMMENTS:
8. UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)
9. REMARKS:

① Completed Sampling for Transect 1 @ UAS-T1-S1-0.5 FT
 UAS-T1-S1-3-6 FT
 UAS-T1-S2-0.5 FT
 UAS-T1-S2-3-6 FT

Completed Sample for Downgradient Alluvial Aquifer @ AA-SW-S2-42-46 FT
 52-56 FT
 62-66 FT
 62-66 FT-FD
 AA-SW-S3-14-16 FT
 22-26 FT

- ② None
- ③ None
- ④ None
- ⑤ None
- ⑥ Geoprobe, peristaltic pump, tubing, hand auger, stainless steel bowl & spoons
 Support vehicles
- ⑦ None
- ⑧ None
- ⑨ May try collection of Undeveloped Area Soilsamples w/ Geoprobe
 40mbarrow

Given to Weston @ 1630 on 11/10/99

IF ADDITIONAL SPACE IS REQUIRED,
 RECORD ON REVERSE SIDE

Alan Scott / [Signature] / 11/10/99
 PRINTED NAME / SIGNATURE OF PREPARER / DATE

WORK FORECAST

Work Forecast for the day/week: 11/11/99

Date: 11/10/99

Project Name: Solutra Survey Area 1 Project Location: _____

Company Name: O'Brien & Gere

1. List Work Items and Locations Scheduled for Next Day/Week:

- Continue w/ Down gradient Alluvial Aquifer Samples @ AA-SW-S2 & AA-SW-S3
- Continue w/ Undeveloped Area Soil Sampling along transect #1

Given to Weston @ 1830 on 11/10/99

Alan J. Carr / ARJ 11/10/99
Name/Signature/Date of Preparer

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

SAFETY MEETING FORM

CONDUCTED BY / COMPANY: Alan Clark / O'Brien & Gere DATE 11/10/99
 PROJECT NAME Solutia Sargent Area 1 PROJECT LOCATION Undeveloped Soil Transects
 WEATHER Partly Cloudy PRECIPITATION None TEMPERATURE 60°F
 NUMBER OF HOURS WORKED — NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
5. COMMENTS:

- ① Collection of Surface & subsurface soil samples along each of the seven designated Transects already laid out in the field
- ② FSP 5.17 HASP 2.8
- ③ Potential Contact w/ impacted surface & subsurface soils, splashy of decon wastes, muscle strain, slips/falls/trips.
- ④ PPE Mod Level D w/ Air monitoring in breathing zone using PID, RAM & CGM. ~~Wear~~ toe shoes/boots & eye protection. Upgrade to Level C if necessary. Have Respirator on-hand
- ⑤ Segregate wastes and document appropriately on waste trucks log; smoking in support vehicles only; done w/ caution around field office.

ATTENDANCE:

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
Paul Rogers	<i>[Signature]</i>	RF Weber
Nick Jenkins	<i>[Signature]</i>	OAG
Kimberly Perry	<i>[Signature]</i>	Spl. H&A
Ken Lafferty	<i>[Signature]</i>	MAVERICK
Colin Wellenbaum	<i>[Signature]</i>	OAG
David Harward	<i>[Signature]</i>	OAG

Given to Webster @ 1830 on 11/10/99

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

Alan Clark / [Signature]
PRINTED NAME / SIGNATURE OF PREPARER

11/10/99
DATE

SAFETY MEETING FORM

(Down gradient alluvial aquifer sampling)

DATE 10 Nov 99

CONDUCTED BY / COMPANY: DE Haverdink / O'Brien & Gere

PROJECT NAME Solutia - Sauger Area 1

PROJECT LOCATION SW of GH/L

WEATHER Partly cloudy

PRECIPITATION None

TEMPERATURE ~60°F

NUMBER OF HOURS WORKED —

NUMBER OF EMPLOYEES —

1 SCHEDULED WORK:

2 REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:

3 HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:

4 SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:

5 COMMENTS:

① Down gradient alluvial aquifer sampling

② FSP # 5.9 ; HASP # 2.6 (generally applicable - not installing wells)

③ Potential contact with VOCs, combustible gases, splashing of water, electric shock, muscle strain, slips/trips/falls, noise, irritant plants

④ PPE is modified level D with air monitoring in breathing zone using PID + CGM; respirator on hand if upgrade to level C is necessary

⑤ Segregate wastes and document appropriately on waste tracking log; smoking in support vehicles only; drive with caution around field office

ATTENDANCE:

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

Alan Cook
Kimberly Perry
William E. Wright
Dan Luvett
John Updegraff

[Signatures]

O&G
Solutia
O&G
T.P.S.
T.P.S.

Given to Weston @ 1830 on 11/10/99

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink DE Haverdink

PRINTED NAME / SIGNATURE OF PREPARER

10 Nov 99

DATE

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

Nov 10

Soil Samples

UAS-T1-S1

UAS-T1-S2

Water Samples

AA-SW-S2 (42-46)(52-56)(62-66)

AA-SW-S3 (14-16)(22-26)

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	049
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	11 November, 99
	CONTRACT NO.	
O'Brien Gere	WEATHER	Sunny, Temp. 65°F
CQC Inspection phases attended and instruction given: 1) Undeveloped soil sampling at Transect 1 completed UAS-T1-S3,S4,S5,S6, and S7 2) OBG collected water samples on AA-SW-S2(72 to 76), (82 to 86), and also at location AA-SW-S3(32 to 36) and (42 to 46)		
Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities. 1) Alluvial Aquifer sampling is taking a lot of time. The turbidity is not going below 5 NTU's as required in the FSP so purging continues for two hours at each interval before samples can be taken.		
Verbal instruction given to contractor: (Include names, reactions and remarks) 1) None		
Has anything developed on the work, which might lead to a change order or finding of fact? <u>NO</u> YES		
Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc. 1) Extending beyond the site boundaries for soil gas survey poses access issues with several sites --I (village of Sauget), H (Village of Sauget, Rogers Cartage), G (Queeny Rd. & Cerro Copper). OBG will get what they can and Solutia will work on getting access from the appropriate parties. 2) Access to the Hankins property (AA-GHL-S1, S2, S3) has become a problem, the owner doesn't want anyone on her land. Solutia's remedy for this situation is to move all three sample points north about 100 feet to get off of her property. This action should not have an effect on the intent of this task.		

Information, instructions or actions taken not covered on QCR report or disagreement:

1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

INSPECTOR'S SIGNATURE

DATE

SUPERVISOR'S
INITIALS

DATE

11-11-99

DAILY WORK LOG

DATE 11/11/99

PROJECT NAME Solutia Sargent Area 1 PROJECT LOCATION _____
 WEATHER Cloudy PRECIPITATION None TEMPERATURE 65°F
 NUMBER OF HOURS WORKED 56 NUMBER OF EMPLOYEES 5

1. ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN)
2. INSTRUCTIONS RECEIVED FROM SOLUTIA
3. INSTRUCTIONS RECEIVED FROM USEPA
4. DEVIATIONS
5. VISITORS (NAMES & TITLES)
6. EQUIPMENT
7. LUNCH MEETING COMMENTS
8. UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)
9. REMARKS

① • Completed Collection of Samples along VA Developed Area Soil Transect #1
 VAS-S1-S3 0.5 FT & 3-6 FT Intervals
 VAS-T1-S4
 VAS-T1-S5
 VAS-T1-S6
 VAS-T1-S7 Plus Duplicate & EBCs

• Completed collection of samples @ Downgradient Alluvial Aquifer Locations:
 AA-SW-S2-72-76 FT & Equip Blank
 -82-86 FT
 AA-SW-S3-32-36 FT
 42-46 FT

• Relocated Downgradient Alluvial Aquifer Sample Location West of Site 6 ±100' North off of Emily Hankers Property

② Keep off of E Hankers Property

③ None

④ None

⑤ None

⑥ Geopack, peristaltic pumps, tubing, stainless steel sparging bowls, Hand auger, stainless steel sleeves, Support vehicles, & Recan Equipment

⑦ None

⑧ None

⑨ None

IF ADDITIONAL SPACE IS REQUIRED,
 RECORD ON REVERSE SIDE

Alan J. Cook / R. J. / 11/11/99
 PRINTED NAME / SIGNATURE OF PREPARER / DATE

Given to Weston @ 1800 Hrs on 11/11/99

WORK FORECAST

Work Forecast for the day/week: 11/12/99

Date: 11/11/99

Project Name: Solutia Sayet Area 1 Project Location: _____

Company Name: O'Brien & Gere

1. List Work Items and Locations Scheduled for Next Day/Week:

• Continue Down gradient Alluvial Aquifer Sampling @
AA-SW-92 & AA-SW-53

• Undersampled Area Soil Transect #2

Go to Weston @ 1600 Hrs on 11/11/99

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

Alan Cox / ARJ / 11/11/99
Name/Signature/Date of Preparation

WORK FORECAST

Work Forecast for the day/week: 11/15/99

Date: 11/11/99

Project Name: Solutia Superfund Area Project Location: _____

Company Name: O'Brien & Gere

1. List Work Items and Locations Scheduled for Next Day/Week:

• Continue Down Gradient Alluvial Aquifer Sampling @
AA-64L-S1, S2, S3

• Continue Underlaid Area Soil Transect Sampling @
Transect # 3, #4, #5, #6, & #7

• Pending Contractor availability waste bags @ Site N

Given to Western @ 1000 Hrs on 11/11/99

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

Alan J. Cook / [Signature] / 11/11/99
Name/Signature/Date of Preparation

SAFETY MEETING FORM

(Undeveloped creek transect soil sampling)

DATE 11 Nov 99

CONDUCTED BY / COMPANY: DE Havardink / O'Brien & Gere

PROJECT NAME Solutia - Saugeat Area 1

PROJECT LOCATION Transect 1

WEATHER Cloudy, overcast

PRECIPITATION None

TEMPERATURE ~50°F

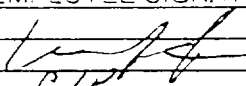
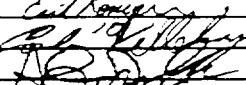
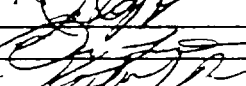
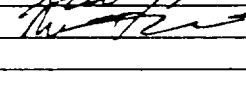
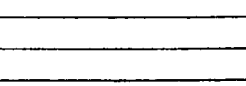
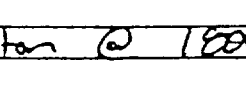
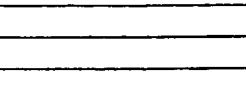
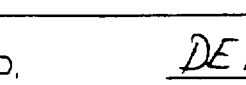
NUMBER OF HOURS WORKED —

NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION
5. COMMENTS

- (1) Undeveloped area creek transect soil sampling
- (2) FSP # 5.17 HASP # 2.8
- (3) Potential contact with impacted surface or subsurface soils, inhalation of released soil vapors, splashing of decon waters, muscle strain, slips/trips/falls
- (4) PPE is modified level D with air monitoring in the breathing zone using the PID, 4-gas, and RAM; upgrade to level C (OV/PRO) if necessary
- (5) Segregate wastes and document appropriately on waste tracking log; drive carefully around the field office; smoking in support vehicles only

ATTENDANCE

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
Ken LAFFERTY		HAVERICK
Earl Kemmer		R F Weston
Colin WELLENKAMP		OBG
Alan J. Cook		OBG
John McCREA		IPS
Dan LOVETT		IPS
Kimberly Perry		Solutia
Nick Jenkins		OBG

Gave to Weston @ 1800 Hrs on 11/11/99

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Havardink / DE Havardink

PRINTED NAME / SIGNATURE OF PREPARER

11 Nov 99

DATE

SAFETY MEETING FORM

(Down gradient alluvial aquifer sampling)

DATE 11 Nov 99

CONDUCTED BY / COMPANY DE Harvordink / O'Brien & Gere

PROJECT NAME Salina - Sanger Area 1

PROJECT LOCATION SWAP GHIL

WEATHER Cloudy, overcast

PRECIPITATION None

TEMPERATURE ~50°F

NUMBER OF HOURS WORKED —

NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
5. COMMENTS:

- ① Down gradient alluvial aquifer sampling
- ② FSP # 5.9 ; HASP # 2.6 (generally applicable - not installing wells)
- ③ Potential contact with VOCs, combustible gases, splashing of water, electric shock, muscle strain, slips/trips/falls, noise, irritant plants
- ④ PPE is modified level D with air monitoring in breathing zone using PID + CGM. Respirator on hand if upgrade to level C is necessary.
- ⑤ Segregate wastes and document appropriately on waste tracking log; smoking in support vehicles only; drive with caution around field office

ATTENDANCE:

EMPLOYEE NAME (print)

William E. Wright
Men Lacey
Kemp
Alan Clark
John Lacey
Dan Lacey
Kimberly Perry

EMPLOYEE SIGNATURE

[Signatures]

COMPANY

O'Brien & Gere
MAURICK
RF Weston
IPS
J.P.S.
Salina

Given to Weston @ 11/11/99 @ 1000 HRS

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Harvordink / DE Harvordink

PRINTED NAME / SIGNATURE OF PREPARER

11/11/99

DATE

SITE VISITOR LOG

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

100

10

[illegible]

Nov. 11

Soil Samples

UAS-TI-S3

UAS-TI-S4

UAS-TI-S5

UAS-TI-S6

UAS-TI-S7

Water Samples

AA-SW-S2 (72-76) (82-86)

AA-SW-S3 (32-36) (42-46)

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	050
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	12 November, 99
	CONTRACT NO.	
CONTRACTOR O'Brien Gere	WEATHER	Sunny, Temp. 78°F
CQC Inspection phases attended and instruction given: 1) Undeveloped soil sampling at Transect 2 completed, UAS-T2-S2 was split with Weston 2) OBG collected water samples on AA-SW-S2(92 to 96) Split with Weston, and also at location AA-SW-S3(52 to 56) and (62 to 66)		
Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities. 1) Alluvial Aquifer sampling is taking a lot of time. The turbidity is not going below 5 NTU's as required in the FSP so purging continues for two hours at each interval before samples can be taken.		
Verbal instruction given to contractor: (Include names, reactions and remarks) 1) None		
Has anything developed on the work, which might lead to a change order or finding of fact? <u>NO</u> YES		
Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc. 1) Extending beyond the site boundaries for soil gas survey poses access issues with several sites --I (village of Sauget), H (Village of Sauget, Rogers Cartage), G (Queeny Rd. & Cerro Copper). OBG will get what they can and Solutia will work on getting access from the appropriate parties. 2) Access to the Hankins property (AA-GHL-S1, S2, S3) has become a problem, the owner doesn't want anyone on her land. Solutia's remedy for this situation is to move all three sample points north about 100 feet to get off of her property. This action should not have an effect on the intent of this task.		

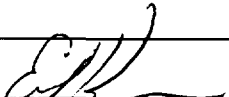
Information, instructions or actions taken not covered on QCR report or disagreement:

1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

INSPECTORS' S SIGNITURE	DATE	SUPERVISOR'S INITIALS	DATE
	11-12-99		

DAILY WORK LOG

DATE 12 Nov 99

PROJECT NAME Solutia - Saugat Area

PROJECT LOCATION SW of GH/L; Transect 2

WEATHER partly cloudy

PRECIPITATION None

TEMPERATURE ~78°F

NUMBER OF HOURS WORKED 32

NUMBER OF EMPLOYEES 5

1. ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN)

2. INSTRUCTIONS RECEIVED FROM SOLUTIA

3. INSTRUCTIONS RECEIVED FROM USEPA

4. DEVIATIONS

5. VISITORS (NAMES & TITLES)

6. EQUIPMENT

7. LUNCH MEETING COMMENTS

8. UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)

9. REMARKS:

(1) • Undeveloped area creek transect soil sampling (FSP#5.17): collected samples of surface and subsurface soils on Transect 2, including an MS/MSD at location 54, and an EPA/Witten split at location 52

• Down gradient alluvial aquifer sampling (FSP#5.9): AA-SW-52 - (92-96 FT) + EPA/Witten split; AA-SW-55 - (52-56 FT) + (62-66 FT) + (62-66 FT MS) + (62-66 FT MSD) samples collected

(2) None

(3) None

(4) None

(5) See attached site visitor log

(6) 2 Geoprobe rigs for GW sampling (and soil sampling - secondary purpose); H+S equip.; monitoring equip.; sampling equip.; support vehicles

(7) None

(8) None

(9) None

SUBMITTED TO WESTON 12 NOV 99 @ 1930

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink 12 Nov 99
PRINTED NAME / SIGNATURE OF PREPARER / DATE

WORK FORECAST

Work Forecast for the day/week: 15 Nov 99

Date: 12 Nov 99

Project Name: Solutia - Saugeat Areal

Project Location: SW of GHL, W of G, Transect 3

Company Name: O'Brien & Gere

1. List Work Items and Locations Scheduled for Next Day/Week:

- Continue downgradient alluvial aquifer sampling SW of GHL and possibly move to the sampling locations W of Site G
- Perform undeveloped area creek transect soil sampling on transect 3

SUBMITTED TO WESTON 12 NOV 99 @ 1730

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Harvink / DE Harvink / 12 Nov 99
Name/Signature/Date of Preparer

SAFETY MEETING FORM

(Undeveloped creek transect soil sampling)

DATE 12 Nov 99

CONDUCTED BY / COMPANY: DE Haverdink / O'Brien + Gere

PROJECT NAME Solutia - Saugat Area 1

PROJECT LOCATION Transect 2

WEATHER Foggy

PRECIPITATION None

TEMPERATURE -45°F

NUMBER OF HOURS WORKED —

NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:

2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:

3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:

4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:

5. COMMENTS:

- (1) Undeveloped area creek transect soil sampling
- (2) FSP # 5.17 HASP # 2.8
- (3) Potential contact with impacted surface or subsurface soils, inhalation of released soil vapors, splashing of decon waters, muscle strain, slips/trips/falls
- (4) PPE is modified level D with air monitoring in the breathing zone using the PID, L-gas, and RAN; upgrade to level C (OV/PID) if necessary
- (5) Segregate wastes and document appropriately on waste tracking log; drive carefully around the field office; smoking in support vehicles only

ATTENDANCE:

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

Ron McBrayer
DAN LOBERT
KEN LAFFERTY

Ronald McBrayer
Dan Lobert
Ken Lafferty

IPS
IPS
MILWICK

SUBMITTED TO LESION 12 NOV 99 @ 1730

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink
PRINTED NAME / SIGNATURE OF PREPARER

12 Nov 99
DATE

SAFETY MEETING FORM

(Downgradient alluvial aquifer sampling)

DATE 12 Nov 99

CONDUCTED BY / COMPANY DE Haverdink / O'Brien + Gere

PROJECT NAME Slick - Sanger Area 1

PROJECT LOCATION

SW of GHK

WEATHER Foggy

PRECIPITATION None

TEMPERATURE ~45°F

NUMBER OF HOURS WORKED

NUMBER OF EMPLOYEES

1 SCHEDULED WORK:

2 REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:

3 HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:

4 SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:

5 COMMENTS:

(1) Downgradient alluvial aquifer sampling

(2) FSP # 5.9 ; HASP # 2.6 (generally applicable - not installing wells)

(3) Potential contact with VOCs, combustible gases, splashing of water, electric shock, muscle strain, slips/trips/falls, noise, irritant plants

(4) PPE is modified level D with air monitoring in breathing zone using PID + CGM; respirator on hand if upgrade to level C is necessary

(5) Segregate wastes and document appropriately on waste tracking log; smoking in support vehicles only; drive with caution around field office

ATTENDANCE:

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

Ben McBrayer

Ronald McBrayer

IPS

Don Lantz

Don Lantz

IPS

Ken Cafferty

Ken Cafferty

HAVERDINK

William F. Wright

William F. Wright

OBG

OBG

SUBMITTED TO WESTON 12 NOV 99 @ 1730

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink

PRINTED NAME / SIGNATURE OF PREPARER

12 NOV 99

DATE

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

SITE VISITOR LOG
Solutia Inc.
Sauget Area 1
(Please Print)

SITE VISITOR LOG
Solutia Inc.
Sauget Area 1
(Please Print)

SITE VISITOR LOG
Solutia Inc.
Sauget Area 1
(Please Print)

SITE VISITOR LOG
Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

Nov. 12

Soil Samples

UAS-TQ-51
 UAS-TQ-52 (Western Split)
 UAS-TQ-53
 UAS-TQ-54
 UAS-TQ-55
 UAS-TQ-56

Water Samples

AA-SW-52 (TQ-56) Western Split
 AA-SW-53 (52-56) (TQ-56)

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	051
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	15 November, 99
	CONTRACT NO.	
CONTRACTOR O'Brien Gere	WEATHER	Sunny, Temp. 65°F
CQC Inspection phases attended and instruction given: 1) Undeveloped soil sampling at Transect 3 completed 2) OBG collected water samples on AA-SW-S2(102 to 106), and also at location AA-SW-S3(72 to 76) and (82 to 86)		
Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities. 1) Alluvial Aquifer sampling is taking a lot of time. The turbidity is not going below 5 NTU's as required in the FSP so purging continues for two hours at each interval before samples can be taken.		
Verbal instruction given to contractor: (Include names, reactions and remarks) 1) None		
Has anything developed on the work, which might lead to a change order or finding of fact? <u>NO</u> YES		
Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc. 1) Extending beyond the site boundaries for soil gas survey poses access issues with several sites --I (village of Sauget), H (Village of Sauget, Rogers Cartage), G (Queeny Rd. & Cerro Copper). OBG will get what they can and Solutia will work on getting access from the appropriate parties.		
Information, instructions or actions taken not covered on QCR report or disagreement:		

1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

INSPECTOR'S SIGNATURE

DATE

SUPERVISOR'S
INITIALS

DATE

11-15-99

DAILY WORK LOG

DATE 15 Nov 99

PROJECT NAME Salt Lake - Seepage Area 1 PROJECT LOCATION SW of CHL, Transect 3

WEATHER Clear PRECIPITATION None TEMPERATURE ~65°F

NUMBER OF HOURS WORKED 40.5 NUMBER OF EMPLOYEES 5

1. ITEMS WORKED ON (ITEM NO. DESCRIPTION, STA. TO STA., FOREMAN)
2. INSTRUCTIONS RECEIVED FROM Solutia
3. INSTRUCTIONS RECEIVED FROM USEPA
4. DEVIATIONS
5. VISITORS (NAMES & TITLES)
6. EQUIPMENT
7. LUNCH MEETING COMMENTS:
8. UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES ETC.)
9. REMARKS:

(1) Downgradient All. Ap. Samp: (FSP#5.9) Collected GW samples RA-SW-S2-(102-106) FT ; RA-SW-S3 - (72-76) FT & (82-86) FT

Undeveloped Creek transect soil samp.: collected surface and subsurface soil samples from Transect 3 ; also collected field duplicate at "S3" location

(2) None

(3) None

(4) None

(5) See attached visitors log

(6) 2 Geoprobe rigs for GW sampling ; sampling equip ; H+S equip ; support vehicles ; monitoring equip.

(7) None

(8) None

(9) None

SUBMITTED TO WESTON 15 Nov 99 @ 1400

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haversink / DE Haversink / 15 Nov 99
PRINTED NAME / SIGNATURE OF PREPARER / DATE

WORK FORECAST

Work Forecast for the day/week: 16 Nov 99

Date: 15 Nov 99

Project Name: Schlu-Hu - Sauger Area 1

Project Location: SW of GHIL, W of G, Transect 4

Company Name: O'Brien & Gere

1. List Work Items and Locations Scheduled for Next Day/Week:

- Begin downgradient all. og. samp. west of GHIL (S1)
- Continue " " " " SW of GHIL (S3)
- Perform undeveloped area creek transect soil samp. at Transect 4

SUBMITTED TO LISTON 15 Nov 99 @ 1900

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Howardine / DE Howardine / 15 Nov 99
Name/Signature/Date of Preparer

SAFETY MEETING FORM

(Downgradient alluvial aquifer sampling)

DATE 15 Nov 99

CONDUCTED BY / COMPANY DE Haverdink / C. Boone & Co.

PROJECT NAME Salina - Sanger Area 1 PROJECT LOCATION SW-1/4, Bl. 6, Sec. 16

WEATHER Clear - calm PRECIPITATION None TEMPERATURE ~35°F

NUMBER OF HOURS WORKED — NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
5. COMMENTS:

- ① Downgradient alluvial aquifer sampling
- ② FSP # 5.9 ; HASP # 2.6 (generally applicable - not installing wells)
- ③ Potential contact with VOCs, combustible gases, splashing of water, electric shock, muscle strain, slips/trips/falls, noise, contact w/ irritant plants
- ④ PPE is modified level D with air monitoring in breathing zone using PID + CGM. Respirator on hand if upgrade to level C is necessary
- ⑤ Segregate wastes and document appropriately on waste tracking log; smoking in support vehicles only; drive with caution around field office

ATTENDANCE:

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
Alan Cook	<i>[Signature]</i>	ES&S
William E. Wright	<i>[Signature]</i>	ES&S
Robert Davidson	<i>[Signature]</i>	Police Dept.
Paula Feary	<i>[Signature]</i>	Maverick
Robert J. Perry	<i>[Signature]</i>	Salina
Paul Wren	<i>[Signature]</i>	T.P.S.
Don McBrayer	<i>[Signature]</i>	T.P.S.
Nick Jenkins	<i>[Signature]</i>	CBG

SUBMITTED TO LESTON / NOV 99 @ 1900

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink
PRINTED NAME / SIGNATURE OF PREPARER

15 Nov 99
DATE

SAFETY MEETING FORM

(Undeveloped creek transect soil sampling)

DATE 15 Nov 99

CONDUCTED BY / COMPANY: DE Haverdink / O'Brien + Coe

PROJECT NAME Solutia - Saugat Area 1

PROJECT LOCATION Transect 3

WEATHER Clear + calm

PRECIPITATION None

TEMPERATURE 35°F

NUMBER OF HOURS WORKED —

NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION
5. COMMENTS

① Undeveloped area creek transect soil sampling

② FSP # 5.17 HASP # 2.8

③ Potential contact with impacted surface or subsurface soils, inhalation of released soil vapors, splashing of debris waters, muscle strain, slips/trips/falls, driving range hazards

④ PPE is modified level D with air monitoring in the booth zone using the D-14 gas and R/M; upgrade to level C (OV/PIRG) if necessary

⑤ Segregate wastes and document appropriately on waste tracking log; drive carefully around the field office; smoking in support vehicles only

ATTENDANCE

EMPLOYEE NAME (last)

EMPLOYEE SIGNATURE

COMPANY

Alan Carl

[Signature]

OFG

Ken Lafferty

[Signature]

MAURICK

Robert Dindori

[Signature]

Police Dept.

Dawn Thompson

[Signature]

OBG

Kimberly Perry

[Signature]

Solutia

Dan Lafferty

[Signature]

JP.S

R. J. Gray

[Signature]

EP

Greg Kasper

[Signature]

RTI/Inc.

Mike Jenkins

[Signature]

OBG

SUBMITTED TO WESTON 15 NOV 99 @ 1900

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / SE Haverdink

PRINTED NAME / SIGNATURE OF PREPARER

15 Nov 99

DATE

Solutia Inc.
Sauget Area 1
(Please Print)

Just in case/
Driving Range

[illegible]

SITE VISITOR LOG

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

Sauget Site Investigation

Waste Tracking Log

Date: 11-15-99

[illegible]

Notes:

Storage Tank Capacity: 4,900 Gallons

32

Nov 15

Soil Samples

UAS-T3-S1

S2

S3

S4

S5

CK

~~End of Sept~~

Water Samples

AH-SW-S2 (102-106)


AH-SW-S2 (72-76) (82-86)

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)		THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
		REPORT NO.	052
PROJECT Solutia Sauget Area 1 Sauget, IL		DATE	16 November, 99
		CONTRACT NO.	
CONTRACTOR O'Brien Gere		WEATHER	Sunny, Temp. 65°F
CQC Inspection phases attended and instruction given:			
1) Begin soil sampling at Transect 4 completed. Weston collected split at UAS-T4-S6 2) OBG collected water samples on AA-SW-S3(92 to 96) Weston collected split, OBG also sampled at location AA-GHL-S1(12 to 16)			
Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities.			
1) Alluvial Aquifer sampling is taking a lot of time. The turbidity is not going below 5 NTU's as required in the FSP so purging continues for two hours at each interval before samples can be taken.			
Verbal instruction given to contractor: (Include names, reactions and remarks)			
1) None			
Has anything developed on the work, which might lead to a change order or <u>NO</u> YES finding of fact?			
Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc.			
1) Extending beyond the site boundaries for soil gas survey poses access issues with several sites --I (village of Sauget), H (Village of Sauget, Rogers Cartage), G (Queeney Rd. & Cerro Copper). OBG will get what they can and Solutia will work on getting access from the appropriate parties.			
Information, instructions or actions taken not covered on QCR report or disagreement:			
1) None			

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

INSPECTORS'S SIGNITURE	DATE	SUPERVISOR'S INITIALS	DATE
	11-16-99		

DAILY WORK LOG

DATE 16 Nov 99

PROJECT NAME Solutia - Sanger Area 1

PROJECT LOCATION Sh. 1600, 1.5 mi. S. of Solutia, Tenn

WEATHER Clear

PRECIPITATION None

TEMPERATURE _____

NUMBER OF HOURS WORKED 46.5

NUMBER OF EMPLOYEES 6

1. ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN)
2. INSTRUCTIONS RECEIVED FROM SOLUTIA
3. INSTRUCTIONS RECEIVED FROM USEPA
4. DEVIATIONS
5. VISITORS (NAMES & TITLES)
6. EQUIPMENT
7. LUNCH MEETING COMMENTS
8. UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)
9. REMARKS:

(1) - Dwyer rad. all 44 samp: (FSP # 5.9) collected GU samples AA-SW-53 (92-96) FT + AA-GH-51 (12-16) FT; split sample w/ Erik Komper of Weston at AA-SW-53 (92-96) FT

• Undeveloped area creek transect soil samp: (FSP # 5.17) collected 30.1 sample VAS-T4 (S1 thru S6) - 0.5 FT, VAS-T4 (S5 and S6) - 3.5 FT, ~~duplicate~~ duplicate samples at S3, and a split sample at S6 w/ Erik Komper of Weston

(2) None

(3) None

(4) None

(5) See attached site visitor log

(6) 2 Geopac rigs for GHI sampling; sampling equip.; H&S equip.; monitoring equip.; support vehicles

(7) None

(8) None

(9) None

SUBMITTED TO WESTON 16 Nov 99 @ 1800

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink / 16 Nov 99
PRINTED NAME / SIGNATURE OF PREPARER / DATE

WORK FORECAST

Work Forecast for the day/week: 17 Nov 99

Date: 16 Nov 99

Project Name: Selkirk-Saugor Area 1

Project Location: SW-6HIL, W-6HIL,
Transects 4 & 5

Company Name: C'Drien & Gere

1. List Work Items and Locations Scheduled for Next Day/Week:

- Continue dredged all. ag. samp SW-6HIL and W-6HIL
- Continue undeveloped area creek transect soil sampling at Transect 4
- Begin undeveloped area creek transect soil samp. at Transect 5

SUBMITTED TO WESTON 16 Nov 99 @ 1800

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DEHawardink / DEHawardink
Name/Signature/Date of Preparer 16 Nov 99

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

Judith Lane.

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

Sauget Site Investigation Waste Tracking Log

Date:

[illegible]

Notes:

Storage Tank Capacity: 4,900 Gallons

SAFETY MEETING FORM

(Undeveloped creek transect soil sampling)

DATE 16 Nov 90

CONDUCTED BY / COMPANY DE Harvink / O'Brien + Gore

PROJECT NAME Solutra - Solutra Area 1 PROJECT LOCATION Transect

WEATHER Clear PRECIPITATION None TEMPERATURE 40°F

NUMBER OF HOURS WORKED — NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
5. COMMENTS:

- (1) Undeveloped area creek transect soil sampling
- (2) FSP # 5.17 HASP # 2.8
- (3) Potential contact with impacted surface or subsurface soils, inhalation of released soil vapors, splashing of decon waters, muscle strain, slips/trips/falls, noise from George rig
- (4) PPE is mod level D with air monitoring in the breathing zone as per the P.D. 4 gas, and R.M. ; upgrade to level C (OV/PID) if necessary
- (5) Segregate wastes and document appropriately on waste tracking log; drive carefully around the field area; smoking in support vehicles only

ATTENDANCE:

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
DAN LACETT	<i>[Signature]</i>	L.P.S.
Jim Minkowski	<i>[Signature]</i>	L.P.S.
Tim Leese	<i>[Signature]</i>	O.B.G.
Kimberly Perry	<i>[Signature]</i>	Solutra
Clay Thompson	<i>[Signature]</i>	O.B.G.
Mike Jenkins	<i>[Signature]</i>	O.B.G.
Alan Cook	<i>[Signature]</i>	O.B.G.

SUBMITTED TO JESION 16 Nov 90 @ 1800

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Harvink / DE Harvink
PRINTED NAME / SIGNATURE OF PREPARER

16 Nov 90

DATE

SAFETY MEETING FORM

(Downgradient alluvial aquifer sampling)

DATE 16 Nov 99

CONDUCTED BY / COMPANY DE Haverdink / O'Brien & Gere

PROJECT NAME Solutia - Sanger Area 1

PROJECT LOCATION SW 1/4 GHIL, W. 1/4 GHIL

WEATHER Clear

PRECIPITATION None

TEMPERATURE ~40°F

NUMBER OF HOURS WORKED —

NUMBER OF EMPLOYEES —

- 1 SCHEDULED WORK:
- 2 REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
- 3 HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
- 4 SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
- 5 COMMENTS:

- ① Downgradient alluvial aquifer sampling
- ② FSP # 5.9 ; HASP # 2.6 (generally applicable - not installing wells)
- ③ Potential contact with VOCs, combustible gases, splashing of water, electric shock, muscle strain, slips/trips/falls, noise, contact w/irritant plants
- ④ PPE is modified level D with air monitoring in breathing zone using PID + CGM respirator on hand if upgrade to level C is necessary
- ⑤ Segregate wastes and document appropriately on waste tracking log; Smoking in support vehicles only; drive with caution around field office

ATTENDANCE:

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
Dan Leitch	[Signature]	I.P.S.
Ron McBratney	[Signature]	I.P.S.
Kimberly Perry	[Signature]	Solutia
Timothy [unclear]	[Signature]	OSG
William E. Wright	[Signature]	OSG
Rick Jenkins	[Signature]	OSG
Alan Cook	[Signature]	OSG

SUBMITTED TO WESTON 16 Nov 99 @ 1800

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Blawie

PRINTED NAME / SIGNATURE OF PREPARER

16 Nov 99

DATE

Nov. 16

Soil Samples

UAS-T4-S1

S2

S3

S4

S5

S6

split with Wesler

Water Samples

~~AA~~ AH-SW-S3 (92.96) Wesler split
AH-GH-S1 (12.11)

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	053
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	17 November, 99
	CONTRACT NO.	
CONTRACTOR O'Brien Gere	WEATHER	Sunny, Temp. 65°F
CQC Inspection phases attended and instruction given: 1) Finish soil sampling at Transect 4 and begin T-5. Weston collected split at UAS-T5-S5 2) OBG collected water samples on AA-SW-S3(96 to 99) Weston collected split, OBG also sampled at location AA-GHL-S1(22 to 26)		
Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities. 1) Alluvial Aquifer sampling is taking a lot of time. The turbidity is not going below 5 NTU's as required in the FSP so purging continues for two hours at each interval before samples can be taken.		
Verbal instruction given to contractor: (Include names, reactions and remarks) 1) None		
Has anything developed on the work, which might lead to a change order or finding of fact? <u>NO</u> YES		
Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc. 1) Extending beyond the site boundaries for soil gas survey poses access issues with several sites --I (village of Sauget), H (Village of Sauget, Rogers Cartage), G (Queeny Rd. & Cerro Copper). OBG will get what they can and Solutia will work on getting access from the appropriate parties.		
Information, instructions or actions taken not covered on QCR report or disagreement: 1) None		

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

INSPECTOR'S SIGNATURE

DATE

SUPERVISOR'S
INITIALS

DATE

11-17-99

DAILY WORK LOG

DATE 17 Nov 99

PROJECT NAME Solutia - Saugee Area 1 PROJECT LOCATION SW of GH/L, Wet GH/L, Transects 4 & 5

WEATHER Clear PRECIPITATION None TEMPERATURE ~60°F

NUMBER OF HOURS WORKED 70 NUMBER OF EMPLOYEES 6

1. ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN)
2. INSTRUCTIONS RECEIVED FROM SOLUTIA
3. INSTRUCTIONS RECEIVED FROM USEPA
4. DEVIATIONS
5. VISITORS (NAMES & TITLES)
6. EQUIPMENT
7. LUNCH MEETING COMMENTS:
8. UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)
9. REMARKS:

- (1) • Degrad. All. og. samp. : (FSP#5.9) collected GW samples
 AA-SW-S3 - (96-99)ft plus field dup. and equip. blank
 AA-GHL-S1 - (22-26ft) plus field dup. and MS and MSD and equip. blank
- Und. area creek transect soil samp. : (FSP#5.17) collected soil samples
 UAS-T4-S3-0.5FT, UAS-T4-(S1-S4, S7)-3-6FT, plus field dup.
 at UAS-T4-S3-3-6FT; also collected surface and subsurface
 soil samples at Transect 5, including MS/MSD @ UAS-T5-S4 (0.5FT
 and 3-6FT) and field dup. @ UAS-T5-S6 (0.5FT and 3-6FT); split
 surface and subsurface samples w/ Erik Kemper of Weston at UAS-T5-S5;
 collected equip. blanks UAS-T5-S5-(0.5FT + 3-6FT) ED
- (2) None
- (3) None
- (4) None
- (5) See attached site visitor log
- (6) 2 Geoprobe rigs for GW samp.; H&S equip; monitoring equip.; sampling
 equip; support vehicles
- (7) None
- (8) None
- (9) None

SUBMITTED TO WESTON 17 Nov 99 @ 2000

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haradine / DE Haradine / 17 Nov 99
 PRINTED NAME / SIGNATURE OF PREPARER / DATE

SAFETY MEETING FORM

(Undeveloped creek transect soil sampling)

DATE 17 Nov 99

CONDUCTED BY / COMPANY: DE Havardine / O'Brien + Gere

PROJECT NAME Solutia - Saugat Area 1 PROJECT LOCATION Transects 4 & 5

WEATHER Partly Cloudy PRECIPITATION None TEMPERATURE ~40°F

NUMBER OF HOURS WORKED — NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
5. COMMENTS:

- ① Undeveloped area creek transect soil sampling
- ② FSP # 5.17 HASP # 2.8
- ③ Potential contact with impacted surface or subsurface soils, inhalation of released soil vapors, splashing of dewatered waters, muscle strain, slips/trips/falls
- ④ PPE is modified level D with air monitoring in the breathing zone using the PID, 4-gas, and RAN; upgrade to level G (OV/PID) if necessary
- ⑤ Segregate wastes and document appropriately on waste tracking log; drive carefully around the field office; smoking in support vehicles only

ATTENDANCE:

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
Don L. ...	<i>[Signature]</i>	TDS
Don ...	<i>[Signature]</i>	TDS
Thomas Thompson	<i>[Signature]</i>	ORL
Alma Cook	<i>[Signature]</i>	ORL
Nick Jenkins	<i>[Signature]</i>	ORL
Clayton Perry	<i>[Signature]</i>	Solutia

SUBMITTED TO WESRN 17 Nov 99 @ 1900

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Havardine / DE Havardine
PRINTED NAME / SIGNATURE OF PREPARER

17 Nov 99
DATE

SAFETY MEETING FORM

(Down gradient alluvial aquifer sampling)

DATE 17 Nov 99

CONDUCTED BY / COMPANY DE Haverdink / O'Brien + Gere

PROJECT NAME Solutia - Sanger Area 1

PROJECT LOCATION SW of GHL, W of GHL

WEATHER Partly cloudy

PRECIPITATION None

TEMPERATURE ~40°F

NUMBER OF HOURS WORKED —

NUMBER OF EMPLOYEES —

- 1 SCHEDULED WORK:
- 2 REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
- 3 HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
- 4 SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
- 5 COMMENTS:

- ① Down gradient alluvial aquifer sampling
- ② FSP # 5.9 ; HASP # 2.6 (generally applicable - not installing wells)
- ③ Potential contact with VOCs, combustible gases, splashing of water, electric shock, muscle strain, slips/trips/falls, noise, irritant plants
- ④ PPE is modified level D with air monitoring in breathing zone using PID + CGM; respirator on hand if upgrade to level C is necessary
- ⑤ Segregate wastes and document appropriately on waste tracking log; smoking in support vehicles only; drive with caution around field office

ATTENDANCE:

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
William E. Wright	<i>William E. Wright</i>	O'Brien + Gere
Don Loret	<i>Don Loret</i>	IPS
Ben McBrayer	<i>Ben McBrayer</i>	IPS
Joan Thompson	<i>Joan Thompson</i>	OSG
Alan Cook	<i>Alan Cook</i>	OSG
Nick Jenkins	<i>Nick Jenkins</i>	ODG
Richard Hill	<i>Richard Hill</i>	CAHOOKIA P.D.
Robert J. Perry	<i>Robert J. Perry</i>	Sol-Tex

SUBMITTED TO WESTON / 17 Nov 99 @ 1900

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / JS Haverdink

PRINTED NAME / SIGNATURE OF PREPARER

17 Nov 99

DATE

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

WORK FORECAST

Work Forecast for the day/week: 18 Nov 99

Date: 17 Nov 99

Project Name: Solutra - Sanger Area 1 Project Location: W. of GHL, Transect 6

Company Name: O'Brien + Gere

1. List Work Items and Locations Scheduled for Next Day/Week:

- Continue downgraded alluvial sampling west of GHL (S1 + S2)

- Perform soil sampling on Transect 6 in undeveloped area

- Coordinate future site activities

SUBMITTED TO LESION 17 Nov 99 @ 2000

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haversdink / DE Haversdink / 17 Nov 99
Name/Signature/Date of Preparer

WORK FORECAST

Work Forecast for the day/week: 22 Nov 99

Date: 17 Nov 99

Project Name: Solutra - Sanger Area 1

Project Location: Transect 7; field office

Company Name: O'Brien & Gere

1. List Work Items and Locations Scheduled for Next Day/Week:

- Finish surface soil sampling on Transect 7 in undeveloped area, if needed

- Continue coordination of future activities

SUBMITTED TO WESTON 17 Nov 99 @ 2000

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Harsdink / DE Harsdink / 17 Nov 99
Name/Signature/Date of Preparer

Nov. 17

Soil Samples

Split UAS. TS. SS with Western

Water Samples

AA-SW-53 (96.99)

AA-GHL-51 (22.26)

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	054
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	18 November, 99
	CONTRACT NO.	
CONTRACTOR O'Brien Gere	WEATHER	Sunny, Temp. 60°F
CQC Inspection phases attended and instruction given: 1) OBG completes soil sampling at Transect 6. Weston collected split at UAS-T6-S3 2) OBG collected water samples on AA-GHL-S1(32 to 36), (42 to 46), OBG also sampled at location AA-GHL-S2(12 to 16), (22 to 26). Weston collected split at S1 (32 to 36) and S2 (22 to 26)		
Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities. 1) Alluvial Aquifer sampling is taking a lot of time. The turbidity is not going below 5 NTU's as required in the FSP so purging continues for two hours at each interval before samples can be taken.		
Verbal instruction given to contractor: (Include names, reactions and remarks) 1) None		
Has anything developed on the work, which might lead to a change order or finding of fact? <u>NO</u> YES		
Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc. 1) Extending beyond the site boundaries for soil gas survey poses access issues with several sites --I (village of Sauget), H (Village of Sauget, Rogers Cartage), G (Queeny Rd. & Cerro Copper). OBG will get what they can and Solutia will work on getting access from the appropriate parties.		

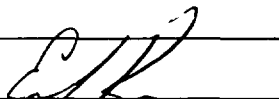
Information, instructions or actions taken not covered on QCR report or disagreement:

1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

INSPECTORS'S SIGNITURE	DATE	SUPERVISOR'S INITIALS	DATE
	11-18-99		

DAILY WORK LOG

DATE 18 Nov 99

PROJECT NAME Solutra - Solutra Area PROJECT LOCATION W. of GHL, Transect 6
 WEATHER Clear + Windy PRECIPITATION None TEMPERATURE ~75°F
 NUMBER OF HOURS WORKED 58.5 NUMBER OF EMPLOYEES 6

1. ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN)
2. INSTRUCTIONS RECEIVED FROM SOLUTIA
3. INSTRUCTIONS RECEIVED FROM USEPA
4. DEVIATIONS
5. VISITORS (NAMES & TITLES)
6. EQUIPMENT
7. LUNCH MEETING COMMENTS
8. UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)
9. REMARKS:

① • Dwg grad. all. eq. samp: (FSP # 5.9) collected GW samples AA-GHL-S1-(32-36 FT + 42-46 FT); AA-GHL-S2-(12-16 FT) + (22-26 FT); Erik Kemper collected a split at AA-GHL-S1 (32-36 FT) and AA-GHL-S2 (22-26 FT)

• Undeveloped area creek transect soil samp: (FSP # 5.17) collected surface and subsurface samples on Transect 6, including equipment blanks on location 53; Erik Kemper collected a split at location 53

② None
 ③ None
 ④ None

⑤ See attached visitors log

⑥ 2 Geoprobe rigs; H&S equip.; sampling equip.; monitoring equip.; support vehicles

⑦ None
 ⑧ None
 ⑨ None

SUBMITTED TO WESTON 18 Nov 99 @ 1845

IF ADDITIONAL SPACE IS REQUIRED,
 RECORD ON REVERSE SIDE

DE Harsdine / DE Harsdine / 18 Nov 99
 PRINTED NAME / SIGNATURE OF PREPARER / DATE

SAFETY MEETING FORM

(Downgradient alluvial aquifer sampling)

DATE 18 Nov 99

CONDUCTED BY / COMPANY DE Harvink / O'Brien + Gere

PROJECT NAME Salina - Sanger Area 1

PROJECT LOCATION W. of GHL

WEATHER Clear

PRECIPITATION None

TEMPERATURE ~50°F

NUMBER OF HOURS WORKED —

NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:

2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:

3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:

4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:

5. COMMENTS:

- ① Downgradient alluvial aquifer sampling
- ② FSP # 5.9 ; HASP # 2.6 (generally applicable - not installing wells)
- ③ Potential contact with VOCs, combustible gases, splashing of water, electric shock, muscle strain, slips/trips/falls, noise, irritant plants
- ④ PPE is modified level D with air monitoring in breathing zone using PID + CGM; respirator on-hand if upgrade to level C is necessary
- ⑤ Segregate wastes and document appropriately on waste tracking log; smoking in support vehicles only; drive with caution around field office

ATTENDANCE:

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
Mike Jenkins	<i>Mike Jenkins</i>	O'Brien + Gere
Gilbert J. Perry	<i>Gilbert J. Perry</i>	Salina
Don L. Loefer	<i>Don L. Loefer</i>	IPS
Ronald McPrayer	<i>Ronald McPrayer</i>	IPS
Ken Lafferty	<i>Ken Lafferty</i>	HAUBILL
William E. Wright	<i>William E. Wright</i>	IPS
Alan J. Cook	<i>Alan J. Cook</i>	IPS

SUBMITTED TO WESON 18 Nov 99 @ 1845

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Harvink / DE Harvink

PRINTED NAME / SIGNATURE OF PREPARER

18 Nov 99

DATE

SAFETY MEETING FORM

(Undeveloped creek transect soil sampling)

DATE 18 Nov 99

CONDUCTED BY / COMPANY: DE Haversink / O'Brien + Gere

PROJECT NAME Solutia - Saugat Area 1

PROJECT LOCATION Transect 6, possibly 7

WEATHER Clear

PRECIPITATION None

TEMPERATURE ~50°F

NUMBER OF HOURS WORKED —

NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
5. COMMENTS:

① Undeveloped area creek transect soil sampling

② FSP # 5.17 HASP # 2.8

③ Potential contact with impacted surface or subsurface soils, inhalation of released soil vapors, splashing of decan waters, muscle strain, slips/trips/falls, noise from Geoprobe rig, contact w/ irritant plants

④ PPE is modified level D with air monitoring in the breathing zone using the PID, 4-gas, and RAM; upgrade to level C (OV/PID) if necessary

⑤ Segregate wastes and document appropriately on waste tracking log; arrive carefully around the field office; smoking in support vehicles only

ATTENDANCE:

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

Nick Jenkins

Nick Jenkins

OBG

DAREN THOMPSON

Daren Thompson

OBG

Kimberly Perry

Kimberly Perry

Solutia

Dan Carter

Dan Carter

OBG

Ken McPrayer

Ken McPrayer

FPS

Ken McFERTY

Ken McFerty

HAWEICK

Alan J. Cook

Alan J. Cook

OBG

SUBMITTED TO WESTON 18/Nov 99 @ 1845

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haversink / DE Haversink

PRINTED NAME / SIGNATURE OF PREPARER

18 Nov 99

DATE

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

WORK FORECAST

Work Forecast for the day/week: 19 Nov 99

Date: 18 Nov 99

Project Name: Solutia - Saugatuck Area 1

Project Location: W. of GHL, Transect

Company Name: O'Brien & Gere

1. List Work Items and Locations Scheduled for Next Day/Week:

- Continue GW sampling at downgradient all. ag. W. of GHL (S1 & S2)
- Perform soil sampling at undeveloped area Transect 7
- Continue coordination of future activities

SUBMITTED TOLLESTON 18 NOV 99 @ 1845

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Harsdink / DE Harsdink / 18 Nov 99
Name/Signature/Date of Preparer

Nov 18

Soil Samples

UAS-T6-53 split with Western

Water Samples

AA-GH-51 (32-36) split Western

AA-GH-52 (22-26) split Western

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	055
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	19 November, 99
	CONTRACT NO.	
CONTRACTOR O'Brien Gere	WEATHER	Sunny, Temp. 65°F
<p>CQC Inspection phases attended and instruction given:</p> <p>1) OBG completes soil sampling at Transect 7. Weston collected split at UAS-T7-S3</p> <p>2) OBG collected water samples on AA-GHL-S1(52 to 56), OBG also sampled at location AA-GHL-S2(32 to 36), (42 to 46).</p>		
<p>Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities.</p> <p>1) Alluvial Aquifer sampling is taking a lot of time. The turbidity is not going below 5 NTU's as required in the FSP so purging continues for two hours at each interval before samples can be taken.</p>		
<p>Verbal instruction given to contractor: (Include names, reactions and remarks)</p> <p>1) None</p>		
<p>Has anything developed on the work, which might lead to a change order or finding of fact? <u>NO</u> YES</p>		
<p>Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc.</p> <p>1) Extending beyond the site boundaries for soil gas survey poses access issues with several sites --I (village of Sauget), H (Village of Sauget, Rogers Cartage), G (Queeney Rd. & Cerro Copper). OBG will get what they can and Solutia will work on getting access from the appropriate parties.</p>		

Information, instructions or actions taken not covered on QCR report or disagreement:

1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

INSPECTORS'S SIGNITURE

DATE

SUPERVISOR'S
INITIALS

DATE

11-19-99

DAILY WORK LOG

DATE 19 Nov 99

PROJECT NAME Solutia - Sanger Area

PROJECT LOCATION W of GHL, Transect 7

WEATHER Cloudy + windy

PRECIPITATION ~~None~~ Slight rain

TEMPERATURE ~65°F

NUMBER OF HOURS WORKED 5.9

NUMBER OF EMPLOYEES 6

1. ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN)
2. INSTRUCTIONS RECEIVED FROM SOLUTIA
3. INSTRUCTIONS RECEIVED FROM USEPA
4. DEVIATIONS
5. VISITORS (NAMES & TITLES)
6. EQUIPMENT
7. LUNCH MEETING COMMENTS:
8. UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)
9. REMARKS:

① Dwg. grad. alk. eq. samp: (FSP #5.9) collected GW samples AA-GHL-S1-(52-56)FT; AA-GHL-S2-(32-36)FT, ~~(32-36)FT~~, ~~BA~~ - (42-46)FT, (-42-46)FT MS, (42-46)FT MSD, (32-36)FT ER

② Und. area transect soil samp: (FSP #5.17) collected surface & subsurface samples on Transect 7, also collected MS/MSDs @ S5, field dupts @ S3, and equip. blanks @ S6; split samples w/ Erik Kemper @ S3

③ None

④ None

⑤ None

⑥ See attached visitors log

⑦ 2 Geoprobe rigs, H&S equip., monitoring equip., sampling equip., support vehicles

⑧ None

⑨ None

⑩ None

SUBMITTED TO WESTON 19 Nov 99 @ 1800

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Howard / DE Rhonda / 19 Nov 99
PRINTED NAME / SIGNATURE OF PREPARER / DATE

SAFETY MEETING FORM

(Undeveloped creek transect soil sampling)

DATE 19 Nov 99

CONDUCTED BY / COMPANY DE Haverdink / O'Brien + Gere

PROJECT NAME Solutia - Sargent Area 1

PROJECT LOCATION Transect 7

WEATHER cloudy

PRECIPITATION trace overnight

TEMPERATURE ~60°F

NUMBER OF HOURS WORKED —

NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:

2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:

3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:

4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION

5. COMMENTS:

① Undeveloped area creek transect soil sampling

② FSP # 5.17 HASP # 2.8

③ Potential contact with impacted surface or subsurface soils, inhalation of released soil vapors, splashing of decon waters, muscle strain, slips/trips/falls, noise, contact w/ irritant plants

④ PPE is modified level D with air monitoring in the breathing zone using the PID, H-gas, and RAN; upgrade to level C (OV/PID) if necessary

⑤ Segregate wastes and document appropriately on waste tracking log; drive carefully around the field office; smoking in support vehicles only

ATTENDANCE:

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

ALAN THOMPSON
Alan Cook
Dan Lott
Kyle Hargrove
Timothy T. Hart
Mark Gula

[Signature]
[Signature]
[Signature]
[Signature]
[Signature]

OSG
OSG
FPS
HAVERDINK
Solutia
OSG

SUBMITTED TO WESTON 19 Nov 99 @ 1800

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink

PRINTED NAME / SIGNATURE OF PREPARER

19 Nov 99

DATE

SAFETY MEETING FORM

(Downgradient alluvial aquifer sampling)

DATE 19 Nov 99

CONDUCTED BY / COMPANY DE Haverdink / O'Brien & Gere

PROJECT NAME Salina - Sugar Area 1

PROJECT LOCATION bl. of GHL

WEATHER Cloudy

PRECIPITATION trace overnight

TEMPERATURE ~60°F

NUMBER OF HOURS WORKED —

NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
5. COMMENTS:

- ① Downgradient alluvial aquifer sampling
- ② FSP # 5.9 ; HASP # 2.6 (generally applicable - not installing wells)
- ③ Potential contact with VOCs, combustible gases, splashing of water, electric shock, muscle strain, slips/trips/falls, noise, contact w/irritant plants
- ④ PPE is modified level D with air monitoring in breathing zone using PID + CGM; respirator on hand if upgrade to level C is necessary
- ⑤ Segregate wastes and document appropriately on waste tracking log; smoking in support vehicles only; drive with caution around field office

ATTENDANCE:

EMPLOYEE NAME (print)

William E. Wright
Alan Carl
Ron McBrayer
Don Legett
Ken Keefe
Kimberly Peden

EMPLOYEE SIGNATURE

William E. Wright
Alan Carl
Ron McBrayer
Don Legett
Ken Keefe
Kimberly Peden

COMPANY

OBG
OBG
IPS
IPS
Haverdink
Salina

SUBMITTED TO WSDON 19 Nov 99 @ 1800

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink

PRINTED NAME / SIGNATURE OF PREPARER

19 Nov 99

DATE

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

WORK FORECAST

Work Forecast for the day/week: 22 Nov 99

Date: 19 Nov 99

Project Name: Solutra - Sanger Area

Project Location: field ofc.

Company Name: O'Brien & Gere

1. List Work Items and Locations Scheduled for Next Day/Week:

- Clean up & organize supplies @ field ofc.
- Coordinate future field activities

SUBMITTED TO WESTON 19 NOV 99 @ 1800

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Harodink / DE Harodink / 19 Nov 99
Name/Signature/Date of Preparer

Nov. 19

Soil Samples

UAS-T7-S3 Weston split

Water Samples

AA-GHL-S1 (52-56)

AA-GHL-S2 (32-36) (42-46)

Undeveloped Soil Sampling is complete
Results need to be in and evaluated before
Developed Soil Sampling can begin

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	056
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	22 November, 99
	CONTRACT NO.	
CONTRACTOR O'Brien Gere	WEATHER	Sunny, Temp. 60°F
<p>CQC Inspection phases attended and instruction given:</p> <p>1) OBG completed soil sampling for all Undeveloped Soil Sampling. Prepared for upcoming activities</p>		
<p>Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities.</p> <p>1) Alluvial Aquifer sampling is taking a lot of time. The turbidity is not going below 5 NTU's as required in the FSP so purging continues for two hours at each interval before samples can be taken.</p>		
<p>Verbal instruction given to contractor: (Include names, reactions and remarks)</p> <p>1) None</p>		
<p>Has anything developed on the work, which might lead to a change order or finding of fact? <u>NO</u> YES</p>		
<p>Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc.</p> <p>1) Extending beyond the site boundaries for soil gas survey poses access issues with several sites --I (village of Sauget), H (Village of Sauget, Rogers Cartage), G (Queeny Rd. & Cerro Copper). OBG will get what they can and Solutia will work on getting access from the appropriate parties.</p>		

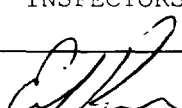
Information, instructions or actions taken not covered on QCR report or disagreement:

1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

INSPECTORS'S SIGNITURE	DATE	SUPERVISOR'S INITIALS	DATE
	11-22-99		

DAILY WORK LOG

DATE 22 Nov 99

PROJECT NAME Solutia-Sauget Area/ PROJECT LOCATION field ofc.
 WEATHER Cloudy PRECIPITATION slight TEMPERATURE ~60°F
 NUMBER OF HOURS WORKED 42 NUMBER OF EMPLOYEES 5

1. ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN)
2. INSTRUCTIONS RECEIVED FROM SOLUTIA
3. INSTRUCTIONS RECEIVED FROM USEPA
4. DEVIATIONS
5. VISITORS (NAMES & TITLES)
6. EQUIPMENT
7. LUNCH MEETING COMMENTS:
8. UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)
9. REMARKS:

① Cleaned & organized field ofc.; prepared for upcoming activities

② None

③ None

④ None

⑤ See attached visitors log

⑥ ~~for~~ Support vehicles

⑦ None

⑧ None

⑨ None

SUBMITTED TO WESTON on 11/22/99 @ 18:15

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DEHarsdink / DEHarsdink / 22 Nov 99
PRINTED NAME / SIGNATURE OF PREPARER / DATE

WORK FORECAST

Work Forecast for the day/week:

29 Nov 99

Date:

22 Nov 99

Project Name:

Solutia - Sauget Area

Project Location:

Srk N. W. of GHL

Company Name:

O'Brien & Gere

1. List Work Items and Locations Scheduled for Next Day/Week:

- Continue downgradient alluvial aquifer sampling w. at GHL
- Begin waste borings at Site N.
- Perform grain size analysis sampling at Srk N.

SUBMITTED TO WESTON on 11/22/99 (C) 1813

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Harwood / D. J. Harwood / 22 Nov 99

Name/Signature/Date of Preparer

WORK FORECAST

Work Forecast for the day/week: 23 Nov 99

Date: 22 Nov 99

Project Name: Solutra - Sanget Area 1 Project Location: —

Company Name: O'Brien & Gere

1. List Work Items and Locations Scheduled for Next Day/Week:

- No field activities scheduled for remainder of week

SUBMITTED TO WESTON ON 11/22/99 @ 18:15.

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DEHawdink/DEHawdink/22 Nov 99
Name/Signature/Date of Preparer

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

Nov. 22

No field work by
ORG

Winter Organized Supplies

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	057
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	23 November, 99
	CONTRACT NO.	
CONTRACTOR O'Brien Gere	WEATHER	Cloudy, Temp. 60°F
CQC Inspection phases attended and instruction given: 1) No field work today, OBG Not on sight. No work until 11-29 after Thanksgiving.		
Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities. 1) Alluvial Aquifer sampling is taking a lot of time. The turbidity is not going below 5 NTU's as required in the FSP so purging continues for two hours at each interval before samples can be taken.		
Verbal instruction given to contractor: (Include names, reactions and remarks) 1) None		
Has anything developed on the work, which might lead to a change order or finding of fact? <div style="float: right; text-align: right;"> NO YES </div>		
Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc. 1) Extending beyond the site boundaries for soil gas survey poses access issues with several sites --I (village of Sauget), H (Village of Sauget, Rogers Cartage), G (Queeny Rd. & Cerro Copper). OBG will get what they can and Solutia will work on getting access from the appropriate parties.		

Information, instructions or actions taken not covered on QCR report or disagreement:

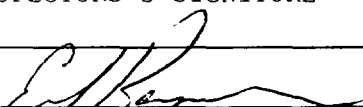
1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

Weston prepared sample equipment and made sure there was enough for the upcoming weeks.

INSPECTORS'S SIGNITURE	DATE	SUPERVISOR'S INITIALS	DATE
	11-23-99		

84

Nov 23

No Field Work Today

Warden Delivered Sample Supplies
from Lab to Site

Thanksgiving Holiday

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	058
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	29 November, 99
	CONTRACT NO.	
CONTRACTOR O'Brien Gere	WEATHER	Cloudy, Temp. 55°F
<p>CQC Inspection phases attended and instruction given:</p> <p>1) Downgradient Alluvial Aquifer Sampling: AA-GHL-S1(62-66), AA-GHL-S2(52-56)</p> <p>2) Fill area waste sampling: Mobilize drill rig to Site N</p>		
<p>Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities.</p> <p>1) Alluvial Aquifer sampling is taking a lot of time. The turbidity is not going below 5 NTU's as required in the FSP so purging continues for two hours at each interval before samples can be taken.</p>		
<p>Verbal instruction given to contractor: (Include names, reactions and remarks)</p> <p>1) None</p>		
<p>Has anything developed on the work, which might lead to a change order or finding of fact? <u>NO</u> YES</p>		
<p>Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc.</p> <p>1) Extending beyond the site boundaries for soil gas survey poses access issues with several sites --I (village of Sauget), H (Village of Sauget, Rogers Cartage), G (Queeny Rd. & Cerro Copper). OBG will get what they can and Solutia will work on getting access from the appropriate parties.</p> <p>2) Rogers Cartage has denied access to Solutia for any future work.</p>		

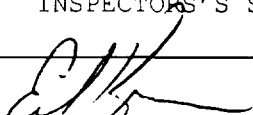
Information, instructions or actions taken not covered on QCR report or disagreement:

1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

INSPECTOR'S SIGNATURE	DATE	SUPERVISOR'S INITIALS	DATE
	11-29-99		

DAILY WORK LOG

DATE 29 Nov 99

PROJECT NAME Sahyati-Szyet Area 1 PROJECT LOCATION Wot GHL; Site N
 WEATHER Clear & cool PRECIPITATION None TEMPERATURE 53°F
 NUMBER OF HOURS WORKED 40 NUMBER OF EMPLOYEES 4

- 1 ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN)
- 2 INSTRUCTIONS RECEIVED FROM SOLUTIA
- 3 INSTRUCTIONS RECEIVED FROM USEPA
- 4 DEVIATIONS
- 5 VISITORS (NAMES & TITLES)
- 6 EQUIPMENT
- 7 LUNCH MEETING COMMENTS
- 8 UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)
- 9 REMARKS:
 - (1) Downgraded 2 fluid 2-gal. sampling (FSP #5.9) collected GHL samples AA-GHL-S1 (12-16 FT) & AA-GHL-S2 (52-56 FT); began purging at AA-GHL-S1 (72-76) & AA-GHL-S2 (12-16 FT)
 - Mobilized drill rig for waste characterization boring at Site N. Constructed D-CORR pit at Site N for waste characterization boring equipment
 - (2) Retired at S1 72' - Instructed to offset & re-probe to the required depth at 72-76
 - (3) None
 - (4) None
 - (5) See attached visitor logs
 - (6) 2 Geoprobe rigs; H&S equip; sampling equip; monitoring equip; support vehicles
 - (7) None
 - (8) None
 - (9) None

Submitted to Weston on 29 Nov 99 at 1715

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

Tim Tedesco / T.P.L. 29 Nov 99
 PRINTED NAME / SIGNATURE OF PREPARER / DATE

SAFETY MEETING FORM

(Downgradient Alluvial Aquifer Sampling)

CONDUCTED BY / COMPANY: Tim Tedesco / O'Brien & Gere

DATE 29 Nov 99

PROJECT NAME Sulhi - Sijet Area PROJECT LOCATION Lot G, H, L

WEATHER Cool 45°

PRECIPITATION None

TEMPERATURE 45°F

NUMBER OF HOURS WORKED _____

NUMBER OF EMPLOYEES _____

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
5. COMMENTS:

- ① Downgradient alluvial aquifer sampling
- ② FSP # 5.9, HASP # 2.6 (generally applicable - not installing wells)
- ③ Potential contact w/ VOC's, combustible gases, splashing of water, electric shock, muscle strain, slips/trips/falls, noise, irritant plants
- ④ PPE is matched level DWH/ air monitoring in breathing zone using PFD + GGM; respirator on hand if upgrade to level C is necessary
- ⑤ Segregate wastes & document appropriately on waste tracking log; smoking in support vehicles only; issue w/ caution around field office

ATTENDANCE:

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
Tim Tedesco	[Signature]	OKB
Kimberly Perry	[Signature]	Spl. H&G
Allen Thompson	[Signature]	OKB
Colin WELLENKAMP	[Signature]	OKB
Tony FINCH	[Signature]	OKB
Earl King	[Signature]	REACH
Raymond B. Brown A.C. Brown	[Signature]	FPS
Dan Liffert	[Signature]	FPS

Subm. H&S to Warden 29 Nov 99 21:520

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

Tim Tedesco / Ly P. H.
PRINTED NAME / SIGNATURE OF PREPARER

29 Nov 99

DATE

WORK FORECAST

Work Forecast for the day/week: 29 Nov 99

Date: 29 Nov 99

Project Name: Solutra - Soged Area Project Location: Wat G, H, L; Site N

Company Name: O'Brien & Gere

1. List Work Items and Locations Scheduled for Next Day/Week:

- Continue GW sampling at downgradient alluvial aquifer W. of GHL (S1 & S2)
- Mobilize Drill rig to Site N & construct D-Comp pad
- Continue coordination of future activities

Submitted to Weston on 29 Nov 99 at 1520

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

Tim Tedesco / TPT / 29 Nov 99
Name/Signature/Date of Preparer

WORK FORECAST

Work Forecast for the day/week: 30 Nov 99

Date: 29 Nov 99

Project Name: Solutra - Szyet Area 1

Project Location: Wat GHL; Site N

Company Name: O'Brien & Gere

1. List Work Items and Locations Scheduled for Next Day/Week:

• Continue GW sampling at downgradient alluvial aquifer Wat GHL (S1 & S2)

~~• Monitor~~

• Waste characterization borings ~~at~~ at Site N

• Continue coordination of data activities

Submitter to Weston on 29 Nov 99 at 1715

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

Tim Tedesco / LTP / 29 Nov 99
Name/Signature/Date of Preparer

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

Nov 29

65

Kinberly informed me that
Mervin Evers intends on going
to the Lab in Savannah the last
week in Jan. I asked her
when advice is set to let me know
so I can contact Steve Bradburn
so he can make arrangements to
be there also

Soluta - OBG plan to investigate
outside of the fence at site G
to find the western boundary of waste
They intend to use a survey method
to do this instead of trenching because
of the active use of the land. Weise
Property

Soluta is to submit a plan for
this activity to be reviewed by EPA
+ USACE

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	059
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	30 November, 99
	CONTRACT NO.	
CONTRACTOR O'Brien Gere	WEATHER	Cloudy, Temp. 45°F
CQC Inspection phases attended and instruction given: 1) Downgradient Alluvial Aquifer Sampling: AA-GHL-S1(72-76), (82-86) and AA-GHL-S2(62-66), (72-76) 2) Fill area waste sampling: Site N-collected surface samples from B1, B2, and B3. Completed boring Waste-N-B1 (Conducted a meeting to refresh everyone on the task)		
Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities. 1) Alluvial Aquifer sampling is taking a lot of time. The turbidity is not going below 5 NTU's as required in the FSP so purging continues for two hours at each interval before samples can be taken.		
Verbal instruction given to contractor: (Include names, reactions and remarks) 1) None		
Has anything developed on the work, which might lead to a change order or finding of fact? <u>NO</u> YES		
Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc. 1) Extending beyond the site boundaries for soil gas survey poses access issues with several sites --I (village of Sauget), H (Village of Sauget, Rogers Cartage), G (Queeny Rd. & Cerro Copper). OBG will get what they can and Solutia will work on getting access from the appropriate parties. 2) Rogers Cartage has denied access to Solutia for any future work.		

Information, instructions or actions taken not covered on QCR report or disagreement:

1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

INSPECTOR'S SIGNATURE

DATE

SUPERVISOR'S
INITIALS

DATE

11-30-99

DAILY WORK LOG

DATE 30 Nov 99

PROJECT NAME Solutra - Saugeat Area 1 PROJECT LOCATION Site N + W. of G

WEATHER cloudy PRECIPITATION none TEMPERATURE -45°F

NUMBER OF HOURS WORKED 55.5 NUMBER OF EMPLOYEES 5

1. ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN)
2. INSTRUCTIONS RECEIVED FROM SOLUTIA
3. INSTRUCTIONS RECEIVED FROM USEPA
4. DEVIATIONS
5. VISITORS (NAMES & TITLES)
6. EQUIPMENT
7. LUNCH MEETING COMMENTS
8. UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)
9. REMARKS:

① Site Waste borings: collected surface soil samples at B1, B2, B2 MS/MSD, B3;
collected waste/fill sample at B1, set up for boring at B2 (FSP# 5.3)
Dumped gill net sample: collected GLW samples AA-GHL-51-(72-76 FT), (82-86 FT) +
AA-GHL-52-(62-66 FT), (72-76 FT), (62-66 FT - FD) (FSP# 5.1)

② None

③ None

④ None

⑤ See attached visitors log

⑥ 2 Geoprobe rigs, 1 CME 750 drill rig, support vehicles, H+S equip, monitoring equip, sampling equip

⑦ None

⑧ None

⑨ None

SUBMITTED TO LESTON 30 Nov 99 @ 1900

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink / 30 Nov 99
PRINTED NAME / SIGNATURE OF PREPARER / DATE

PREPARATORY INSPECTION MEETING

Conducted by/Company: Tim Tedesco / C. Brent Gere Date: 30 Nov 99
 Project Name: Solutia Superfund Area 1 Task: Fill Area Waste Burial Site A

1. Scheduled Work:
2. Equipment, Procedures, Personnel:
3. Ref. To App. Sec. of FSP/HASP:
4. Issues that could arise and how to resolve:
5. Solutia comments:
6. EPA comments:

- ① - Installation of Waste Burials on Site A (except center)
 - Burings will be installed to 2 feet below fill material
 - A surface soil will be collected @ each boring site ~~except center boring~~
 - 3 inch split spoon all the way down, continuously
 - Composite waste sample over entire waste interval
 - * Ensure sampling of VOC's in surface soil
 - 2' interval section(s) will be screened → a PID & highest screened interval will be submitted for VOC analysis & placed in 402 jars - over entire "fill depth"
 - Total of 5 borings w/ one in the center of the site to 15 below fill material - no sampling, PID screening only
 - Separate drill cutting - Do not combine w/ waste borings from other sites
- ② ~~PE Hulls, Skin Auger, Equipment, PID, PAM, 4 Gas Meter~~
 One Geologist & one H&E person from OBC present - Puller
- ③ FSP Section 5.3 & HASP Section 2.4 (Level C initially)
- ④ ~~ATTENDANCE:~~ Not sufficient recovery of fill material - explore all

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY (continued)
Ken Lafferty	[Signature]	[Company]
Ken Evans	[Signature]	[Company]
Dale Maharik	[Signature]	[Company]
Dave Harvink	[Signature]	[Company]
Tony Finer	[Signature]	[Company]
Tim Tedesco	[Signature]	[Company]

IF ADDITIONAL SPACE IS REQUIRED,
 RECORD ON REVERSE SIDE

Tim Tedesco / L. P. U.
 PRINTED NAME/SIGNATURE OF PREPARER
30 Nov 99
 DATE

Submitted to Westco on 30 Nov 99 at 0830

WORK FORECAST

Work Forecast for the day/week: 01 Dec 99

Date: 30 Nov 99

Project Name: Solutra - Sanget Area

Project Location: Site N + W. of G

Company Name: O'Brien + Gere

1. List Work Items and Locations Scheduled for Next Day/Week:

• Continue waste borings at Site N

• Continue down gradient alluvial aquifer sampling W. of Site G

SUBMITTED TO WESTON JONOVIC & CO 1900

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Havardink / DE Havardink / 30 Nov 99
Name/Signature/Date of Preparer

SAFETY MEETING FORM

(Down gradient alluvial aquifer sampling)

DATE 30 Nov 99

CONDUCTED BY / COMPANY DE Haverdink / O'Brien + Gere

PROJECT NAME Solutia - Sargent Area 1

PROJECT LOCATION W of G

WEATHER partly cloudy

PRECIPITATION None

TEMPERATURE ~25°F

NUMBER OF HOURS WORKED —

NUMBER OF EMPLOYEES —

1 SCHEDULED WORK:

2 REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:

3 HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:

4 SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:

5 COMMENTS:

① Down gradient alluvial aquifer sampling

② FSP # 5.9 ; HASP # 2.6 (generally applicable - not installing wells)

③ Potential contact with VOCs, combustible gases, splashing of water, electric shock, muscle strain, slips/trips/falls, noise, irritant plants

④ PPE is modified level D with air monitoring in breathing zone using PID+CGM; respirator on hand if upgrade to level C is necessary

⑤ Segregate wastes and document appropriately on waste tracking log; smoking in support vehicles only; drive with caution around field office

ATTENDANCE:

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

John Weller

[Signature]

CSG

Dawn Thompson

[Signature]

OBG

Don Everett

[Signature]

I.P.S.

Sam McBrayer

[Signature]

I.P.S.

Paul Moffatt

[Signature]

McWEEK

Submitted to Weston on 30 Nov 99 at 0830

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / J.E. Haverdink

PRINTED NAME / SIGNATURE OF PREPARER

30 Nov 99

DATE

SAFETY MEETING FORM (WASTE BORINGS)

DATE 30 Nov 99

CONDUCTED BY / COMPANY: DE Haverdink / O'Brien & Gere

PROJECT NAME Solutra - Sauger Area 1 PROJECT LOCATION Site N

WEATHER partly cloudy PRECIPITATION None TEMPERATURE ~25°F

NUMBER OF HOURS WORKED NA NUMBER OF EMPLOYEES NA

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
5. COMMENTS:

- ① Waste borings on Site N
- ② FSP # 5.3 ; HASP # 2.4
- ③ Potential contact with hazardous materials and wastes from the boring ; drill rig hazards of overhead falling objects, moving parts, pressurized lines, noise, CO from exhaust, and roll-over ; breathing of impacted dust or vapors ; splashing of impacted liquid from the boring or during decum ; slips / trips / falls
- ④ PPE is level C with level B on-hand ; air monitoring with PID, 4-gas, and RAM ; upgrade / downgrade PPE based on air monitoring ; resp. cartridges are OV/P100 ; drillers to inspect rig daily for hazards and repair as needed
- ⑤ Smoking is in vehicles only, outside of exclusion zone ; segregate wastes ; sign in & out on the visitors log ; drive carefully around field etc.

ATTENDANCE:

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
<u>Tom Enright</u>	<u>[Signature]</u>	<u>OBG</u>
<u>Jim Federico</u>	<u>[Signature]</u>	<u>OBG</u>
<u>Ken LaForte</u>	<u>[Signature]</u>	<u>Malvern</u>
<u>Ron Evans</u>	<u>[Signature]</u>	<u>Malvern</u>
<u>Dale Mahurin</u>	<u>[Signature]</u>	<u>Malvern</u>

Submitted to Weston on 30 Nov 99 at 0830

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Boven
PRINTED NAME / SIGNATURE OF PREPARER

30 Nov 99

DATE

30 NOV 99

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

(Please Print)

[illegible]

Nov 30

66

Discontinued Sampling at AA-GHL-51 to
72.76 and 82.66 feet also AA-GHL-52
62.66 and 72.76 feet

OSG will begin the waste sampling
at site N today the only thing I
told them was this time they have
not above the boundary thinking for the
site to give a better idea where to
drill & if they drill and don't find
anything they will just have to move
and drill again and not say they
could not find waste OSG understood
this